## SEQUENCE LISTING

<110> Xu, Jiangchun Lodes, Michael J. Secrist, Heather Benson, Darin R. Meagher, Madeleine Joy King, Gordon E.

<120> COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE

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<140> US

<141> 2000-08-28

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tgtctgtgga gaccctggag ggcacgacac tggaggtggg ctgcagcggg gacatgctca
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cageteatea gteaggaete geetgeeeae eatatggtaa gesgraggge atttgageag
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accttcattt gctnggaaan cagcctttan ttggaatctt g
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      <210> 27
      <211> 383
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(383)
      <223> n = A, T, C or G
      <400> 27
                                                                         60
aattgcaact ggacttttat tgggcagtta cnacaacnaa tgttttcana aaaatatttg
                                                                        120
gaaaaaatat accacttcat agctaagtct tacagagaan aggatttgct aataaaactt
aagttttgaa aattaagatg cnggtanagc ttctgaacta atgcccacag ctccaaggaa
                                                                        180
                                                                        240
nacatgtcct atttagttat tcaaatacca gttgagggca ttgtgattaa gcaaacaata
tatttgttan aactttgntt ttaaattact gntncttgac attacttata aaggagnctc
                                                                        300
                                                                        360
taactttcga tttctaaaac tatgtaatac aaaagtatan ntttccccat tttgataaaa
                                                                        383
gggccnanga tactgantag gaa
      <210> 28
      <211> 401
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(401)
      <223> n = A, T, C or G
      <400> 28
ggtcgcgttt cccctggctc acagtctgcc attatttgca tttttaaatg aagaaaagtt
                                                                         60
```

```
taacgtggat ggatggacag tttacaatcc agtggaagaa tacaggaggc agggcttgcc
                                                                       120
caatcaccat tggagaataa cttttattaa taagtgctat gagctctgcg acacttaccc
                                                                       180
tgctcttttg gtggttccgt atcgtgcctc anatgatgac ctccggagag ttgcaacttt
                                                                       240
tagqtcccga aatcgaattc cagtgctgtc atggattcat ccagaaaata agacggtcat
                                                                       300
                                                                       360
tgtgcgttgc agtcagcctc ttgtcggtat gagtgggaaa cgaaataaag atgatgagaa
                                                                       401
atatctcgat gttatcaggg agactaataa acaaatttct a
      <210> 29
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 29
atatgagttt gccatctcca tggatgccat ttcaatgcct tcagggtaat cattctctcc
                                                                        60
ccaaagactg cccacggggt catcactcct gtgacgaaat gagggctgga ttgaagatgt
                                                                       120
                                                                       180
tctgctgagc accccctgg tcatctttgg ggtctcagaa gagccataat catgaccatt
                                                                       240
ctcagcatct gaataatcag gttctctcca agtgcttggc aagttctgat tgtcctcagc
actgggatag tctggctccc caaaaaaggg tggagagtta ggttgaatgt cagcgcctgg
                                                                       300
ataatcaggc tttcccagag agtctgcgta tggattgatt ctaaaacttg tatgttccag
                                                                       360
                                                                       401
attctttctg gatcctggat ggttcaaatt ggctctgggt c
      <210> 30
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 30
                                                                        60
cctgaactat ttattaaaaa catgaccact cttggctatt gaagatgctg cctgtatttg
                                                                       120
agagactgcc atacataata tatgacttcc tagggatctg aaatccataa actaagagaa
actgtgtata gcttacctga acaggaatcc ttactgatat ttatagaaca gttgatttcc
                                                                       180
                                                                       240
cccatcccca gtttatggat atgctgcttt aaacttggaa gggggagaca ggaagtttta
                                                                       300
attgttctga ctaaacttag gagttgagct aggagtgcgt tcatggtttc ttcactaaca
                                                                       360
gaggaattat gctttgcact acgtccctcc aagtgaagac agactgtttt agacagactt
                                                                       401
tttaaaatgg tgccctacca ttgacacatg cagaaattgg t
      <210> 31
      <211> 297
      <212> DNA
      <213> Homo sapien
      <400> 31
acctccatta atgccaggtg ttcctcctct gatgccagga atgccaccag ttatgccagg
                                                                        60
catgccacct ggattgcatc atcagagaaa atacacccag tcattttgcg gtgaaaacat
                                                                       120
aatgatgcca atgggtggaa tgatgccacc tggaccagga ataccacctc tgatgcctgg
                                                                       180
                                                                       240
aatgccacca ggtatgcccc cacctgttcc acgtcctgga attcctccaa tgactcaagc
                                                                       297
acaggetgtt teagegeeag gtattettaa tagaceaect geaceaaeag eaactgt
      <210> 32
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 32
caaacctgga gccaaaaagg acacaaagga ctctcgaccc aaactgcccc agaccctctc
                                                                        60
```

```
cagaggttgg ggtgaccaac tcatctggac tcagacatat gaagaagctc tatataaatc
                                                                       120
caagacaagc aacaaaccct tgatgattat tcatcacttg ggtgagtgcc cacacagtca
                                                                       180
agctttaaag aaagtgtttg ctgaaaataa agaaatccag aaattggcag agcagtttgt
                                                                       240
cctcctcaat ctggtttatg aaacaactga caaacacctt tctcctgatg gccagtatgt
                                                                       300
ccccaggatt atgtttgttg acccatctct gacagttaga gcccgatatc actggaagat
                                                                       360
attcaaaccg tctctatgct tacgaacctg cagatacagc t
                                                                       401
      <210> 33
      <211> 401
      <212> DNA
      <213> Homo sapien
     <400> 33
                                                                        60
agcagaggga caggaatcat tcggccactg ttcagacggg agccacaccc ttctccaatc
caagcctggc cccagaagat cacaaagagc caaagaaact ggcaggtgtc cacgcgctcc
                                                                       120
aggccagtga gttggttgtc acttactttt tctgtgggga agaaattcca taccggagga
                                                                       180
tgctgaaggc tcagagcttg accctgggcc actttaaaga gcagctcagc aaaaagggaa
                                                                       240
attataggta ttacttcaaa aaagcaagcg atgagtttgc ctgtggagcg gtgtttgagg
                                                                       300
agatctggga ggatgagacg gtgctcccga tgtatgaagg ccggattctg ggcaaagtgg
                                                                       360
agcggatcga ttgagccctg gggtctggct ttggtgaact g
                                                                       401
      <210> 34
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 34
aacaatggct atgaaggcat tgtcgttgca atcgaccca atgtgccaga agatgaaaca
                                                                        60
ctcattcaac aaataaagga catggtgacc caggcatctc tgtatctgtt tgaagctaca
                                                                       120
ggaaagcgat tttatttcaa aaatgttgcc attttgattc ctgaaacatg gaagacaaag
                                                                       180
                                                                       240
gctgactatg tgagaccaaa acttgagacc tacaaaaatg ctgatgttct ggttgcttga
gtctactcct ccaggtaatg atgaacccta cactgagcag atggggcaac tgtggagaga
                                                                       300
aggggtgaaa ggatcccacc tcactcctga tttcattgca ggaaaaaagt tagcttgaat
                                                                       360
                                                                       401
atggaccaca aggtaagggc atttgtccat gaatggggct c
      <210> 35
      <211> 401
      <212> DNA
      <213> Homo sapien
     <220>
     <221> misc_feature
      <222> (1)...(401)
     <223> n = A, T, C or G
      <400> 35
                                                                        60
catttcttcc tactagactg cccccttgat ccactggcag aaatgatggc accaccttgt
                                                                       120
cttcaggtgg tgctccttca ttattccaag gatgcagcat ctctatggtg ccaggtatgg
gggtaaagcc tttggcgccc tttccgcaat ggcacatcag cagtaaaagt ggtaccaata
                                                                       180
gcangaacag aaagggcaaa atcatgancg caattgctgc qqqtcccaag cccacatagg
                                                                       240
aatcatgctg ngcttccctg canccgctgc catgcaagac actnacaaac tgngantgta
                                                                       300
aggacctgct tttcaggaca actaaaaccc tgattgnctg aaatcaggaa ctgaatttca
                                                                       360
cttctcccaa gctttttctc actttggtgc aacancacac t
                                                                       401
```

```
<210> 36
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 36
cctgctagaa tcactgccgc tgtgctttcg tggaaatgac agttccttgt tttttttgtt
                                                                         60
tetgtttttg ttttacatta gtcattggac cacagecatt caggaactac cecetgeece
                                                                        120
                                                                        180
acaaagaaat gaacagttgt agggagaccc agcagcacct ttcctccaca caccttcatt
                                                                        240
ttgaagttcg ggtttttgtg ttaagttaat ctgtacattc tgtttgccat tgttacttgt
                                                                        300
actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg
actttaaatc agtacagtac ctgtacctgc acggtcaccc gctccgtgtg tcgccctata
                                                                        360
                                                                        401
ttgagggctc aagctttccc ttgttttttg aaaggggttt a
      <210> 37
      <211> 401
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(401)
      <223> n = A, T, C \text{ or } G
      <400> 37
cnnctntgna atggantnnt tgnctaaaan ganttgatga tgatgaanat ccctangang
                                                                         60
antaagcatg gancntgatc ntttnctnng cactccttta cgacacggaa acangnatca
                                                                        120
ncatgatggt accaganacc ttatcaccna cgcgcacnga nctgactnat tccaaagagt
                                                                        180
                                                                        240
tgnggttacg gncatccggt cattgctcgt gcccattgct gcagggctga tnctactggt
gcttattatg ntggccctga ggatgctcca caatgaatat aagcatgctg catgatcagc
                                                                        300
ggcaacanat gctctgccgt ttgcactaca tctttcacgg acacnatntc gaanacgggc
                                                                        360
                                                                        401
acnttgcana gttagacttg gaatgcatgg ngccggncan n
      <210> 38
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 38
                                                                         60
aattggctca ctctctcaag gcaagcactg tctcaaggca gtctcaaggc agagatgaca
cagcaaaaaa cagagggga gaaaaaagtc tattattggc ttgtgattta caaaagccaa
                                                                        120
                                                                        180
agtcctttag ataaaaggcc aggagtcgta ccaacataga taccaaatcc aggagaacac
agaccagcga taagagggac gcttccccat gacccagacc agcctaaagc ccctgtgggg
                                                                        240
                                                                        300
gcagccagtq qqqaqctqtc agaccttqqa catqqtqqtc tttqaqaatq qqtctqccct
tctctccctq accaqttqqq ataqacacct qactqqaatc cttqacactq gcaqqtqttt
                                                                        360
ctatgaacag agaggactgt gcctgtcttc ctgaatccca a
                                                                        401
      <210> 39
      <211> 401
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
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<222> (1)...(401)
      <223> n = A, T, C or G
      <400> 39
tctggtangg agcaattcta ttatttggca ttgcatggct gggttgaatt aaaacaggga
                                                                        60
                                                                       120
gtgagaacag gtgagtctag aagtccaact ctgaaaagga ccactgtaca tttgaacaca
cggctgtgtt aaagatgctg ctaatgtcag tcactgggtg cactaaagga tctcttattt
                                                                       180
tatgtaaaac gttgggaatg acaagatana actgatactc tggtaagtta ccctctgaag
                                                                       240
                                                                       300
ctacttcttg tgaaatacta atgacagcat catcctgcca agcgaaagag gcaggcataa
                                                                       360
gcaaggacaa attaaaaggg ggtaagagcc ttatcatgat gaggagtctt gttttgacat
                                                                       401
cttgggaaaa gctgtccata gtgtgaagtc gtcaatttct c
      <210> 40
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 40
tctggtcacc caactcttgt ggaagagggg aattgagatc gagtactgaa tatctggcag
                                                                        60
                                                                       120
agaggetgga atcettcage eccagagece agggaceaet ceagtagatg cagagagggg
                                                                       180
cctgcccagg ggtcagggca gtgggtatca ctggtgacat caagaatatc agggctgggg
                                                                       240
aggeatettt gttteetggt geeeteetea aagttgetga eactttgggg aegggaaggg
                                                                       300
gtagaagtag ggctgctcct tttggagctg gagggaatag acctggagac agagttgagg
                                                                       360
cagtcgggct gtccaggttc taagcatcac agcttctgca ctgggctctg aggagattct
                                                                       401
cagccagagg atcccagcct cctcctcct caaatgtcaa g
      <210> 41
      <211> 401
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(401)
      <223> n = A, T, C or G
      <400> 41
ctggactaaa aatgtccact atggggtgca ctctacagtt tttgaaatgc taggaggcag
                                                                        60
aaggggcaga gagtaaaaaa catgacctgg tagaaggaag agaggcaaag gaaactaggt
                                                                       120
                                                                       180
ggggaggatc aattagagag gaggcacctg ggatccacct tetteettan gteeecteet
                                                                       240
ccatcagcaa aggagcactt ctctaatcat gccctcccga agactggctg ggagaaggtt
                                                                       300
taaaaacaaa aaatccagga gtaagagcct taggtcagtt tgaaattgga gacaaactgt
ctggcaaagg gtgcganagg gagcttgtgc tcangagtcc agcccgtcca gcctcggggt
                                                                       360
                                                                       401
gtangtttct gaagtgtgcc attggggcct caccttctct g
      <210> 42
      <211> 310
      <212> DNA
      <213> Homo sapien
      <400> 42
                                                                        60
ggttcgacaa atccccaaaa atggcaaatt aagccctgtg acaaaataag ttattggatc
                                                                       120
atacagaaat agcccaaatc tggaaatttt gaattaaaat tgtaatcctg taaaacaagt
                                                                       180
tttggggtga atggatttct ttaataccaa taatattttt aattcccacc acagatggat
```

```
240
ttgctgaata tgctaatgct gtgaatgaga aaacaatttt ggggtaggta tacccacaag
taatctgatg acaaaataaa ccacagactg atgtcaaatg gacaaaaaac tgaaaatatg
                                                                       300
                                                                       310
ctgtgagaaa
      <210> 43
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 43
aggtcactta cacttgtgac cagtgtgggg cagagaccta ccagccgatc cagtctccca
                                                                        60
ctttcatgcc tctgatcatg tgcccaagcc aggagtgcca aaccaaccgc tcaggagggc
                                                                       120
ggctgtatct gcagacacgg ggctccagat tcatcaaatt ccaggagatg aagatgcaag
                                                                       180
aacatagtga tcaggtgcct gtgggaaata tccctcgtag tatcacggtg ctggtagaag
                                                                       240
qaqaqaacac aaqqattqcc caqcctqqaq accacqtcaq cqtcactqqt attttcttqc
                                                                       300
caatcctgcg cactgggttc cgacaggtgg tacagggttt actctcagaa acctacctgg
                                                                       360
aagcccatcg gattgtgaag atgaacaaga gtgaggatga t
                                                                       401
      <210> 44
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 44
atccctgtaa gtctattaaa tgtaaataat acatacttta caacttctct tagtcggccc
                                                                        60
ttggcagatt aaatctttgc aaaattccat atgtgctatt gaaaaatgaa ataaaacctc
                                                                       120
agatgtctga attcttattt caaatacagt tatataatta ttttaaatta caatatacaa
                                                                       180
tttctgttaa atacaactgt taagggattc tgagaacaat tataagatta taataatata
                                                                       240
tacaaactaa cttctgaaat gacatgggtt gtttccttcc caccctccta ccctctcaaa
                                                                       300
gagtttttgc atttgctgtt cctggttgca aaaggcaaaa gaaaatctaa aaatagtctg
                                                                       360
tgtgtgtcca cgacatgctc gctcctttga gaatctcaaa c
                                                                       401
      <210> 45
      <211> 401
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(401)
      <223> n = A, T, C or G
      <400> 45
gtgcctgctg cctggcagcc tggccctgcc gctgcctcag gaggcgggag gcatgagtga
                                                                        60
gctacagtgg gaacaggctc aggactatct caagagattt tatctctatg actcagaaac
                                                                       120
aaaaaatgcc aacagtttag aagccaaact caaggagatg caaaaaattc tttggcctac
                                                                       180
ctatactgga atggtaaact cccgcgtcat anaaataatg caanaagccc agatgtggag
                                                                       240
tgccagatgt tgcagaatac tcactatttc caaatagccc aaaatggact tccaaagtgg
                                                                       300
tcacctacag gatcgtatca tatactcgag acttaccgca tattacagtg gatcgattag
                                                                       360
                                                                       401
tgtcaaaggc tttaaacatg tggggcaaag agatccccct g
      <210> 46
      <211> 401
      <212> DNA
```

```
<213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(401)
      <223> n = A, T, C or G
      <400> 46
gtcagaattg tctttctgaa aggaagcact cggaatcctt ccgaactttc caagtccatc
                                                                         60
catgattcan agatactgcc ttctctctct ctqqqatttt atqtqtttct qataqtqaat
                                                                        120
tgttgatgta tttgctactt tgcttctttt ctctttcaag acttgatcat tttatatgct
                                                                        180
gnttggagaa aaaaagaact tttggtagca aggaggtttc aagaaatgat tttggatttt
                                                                       240
ctgctgcgga atttctcggc acctacctgt agtatggggc acttggtttg gttgcagagt
                                                                       300
aagaaggtgg aagaatgagc tgtacttggt taagcagttg aaaccttttt tgagcaggat
                                                                       360
ctgtaaaagc ataattgaat ttgtttcacc cccgtggatt c
                                                                        401
      <210> 47
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 47
ggtctgcagc aatgcacttc aaccatacat actgcttcca ctagctaata ccaaatgcag
                                                                         60
gttctcagat ccagacaaat ggaggaaaag aacatttatg cttccgtttc agaaagccaa
                                                                        120
gtcgtagttt tggcccttcc tttctctaaa gtttattccc aaaaacaggt agcattcctg
                                                                        180
attgggcaga gaagaggata ttttcagccc acatctgctg caggtatgtc attttctccc
                                                                       240
                                                                       300
atcttcactg tgactagtaa agatctcacc acttctcttt ggaatttcca actttgcttg
tgattgaatg tcacttcgtg aatttgtatt atgtcagatc acttggcatt gctcttccat
                                                                       360
atgcatcaag ttgccaggca ctaaacccaa tgttcatgaa c
                                                                        401
      <210> 48
      <211> 430
      <212> DNA
      <213> Homo sapien
      <400> 48
acataacttg taaacttttt ctgcttgggg gctgtaacag acagaagagt aaagactaca
                                                                         60
aggattttct gaagatgett caatgaaaat catcatttcc tetttagtea teecaagtet
                                                                       120
tggtttgaaa aacttgggca tggacttata cagaccttga accaccactg acttatcatt
                                                                       180
gggtggcaga ccttgaaacc aagctctctg tgttacttct gaaagtgcat caattctgat
                                                                       240
ttggctaaga acagaagaca aatactggga tcgtgattct gtgttatact ctagccacag
                                                                       300
catagcaget tetegaacgg tttetteett ttetacattt aaattgteae taetgagaat
                                                                       360
atctatcagt aggtcatgtg acagacctgc cccggggccg gcccgctcga tgcttgccga
                                                                       420
atatcatggt
                                                                       430
      <210> 49
      <211> 57
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(57)
      <223> n = A, T, C or G
```

```
<400> 49
                                                                         57
ggtattaaca atatcangca ctcattcttc ccctcttatg aaanggatna attttta
      <210> 50
      <211> 327
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(327)
      <223> n = A, T, C or G
      <400> 50
gatggnggtn tccacaagan tnaangtncn tattaantan nncttgtaga nccacttnna
                                                                         60
                                                                        120
ttaattgnnn tatgnntgnc cttctggtgg ntgtngaagc ttcatatnnt ntttggacat
cattacacgt cttagctctt tnaagnacaa ctttaatgct atatgaattt tgccattttn
                                                                        180
gctaacactg gtatgctccn ngcatccacc atnccacntg gaattattta ttncnttcat
                                                                        240
attaatnttt tgtttaccaa atctnacttg acccgaacga aactttctgn gtattttang
                                                                        300
gccccnccat tcttactttt caagcct
                                                                        327
      <210> 51
      <211> 236
      <212> DNA
      <213> Homo sapien
      <400> 51
                                                                         60
cgtctcgaaq aagcgctgca ggccgatgat ggactgcacg tctgccttgt cctcagttaa
                                                                        120
cttgttgaat tgcttgaaca tgcggcccac atcctgggca aactcctgtg gggagctgta
                                                                        180
gggaggtgac aactteteet ggaggeggge aeggateagg gteagateea gggtgeeace
                                                                        236
gggctggtcc agggagaagg tggagtcgta gccagacctg cccgggcggc cgctcg
      <210> 52
      <211> 291
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(291)
      <223> n = A, T, C or G
      <400> 52
ctcacatcct gggtccggct gtagagctgc accatggtgc tgagcgcccc ctccagctcc
                                                                         60
ttgtagatgt aaaggacggc gaaggagctg tagtctgtgt ccacgatgcg cacgtccagg
                                                                        120
tageccaagg cegggactet gaagttgtee eteggageee acetteangt actegggeat
                                                                        180
ccacctggtt acagcentte gneeteggna actecatntg gaetttacag geegeeetee
                                                                        240
tetgtgggcc tgatggneet tgeaggaeat nggaacaegg gagetenett t
                                                                        291
      <210> 53
      <211> 95
      <212> DNA
      <213> Homo sapien
```

```
<220>
      <221> misc_feature
      <222> (1)...(95)
      <223> n = A, T, C or G
      <400> 53
gtctgtgcag tttctgacac ttgttgttga acatggntaa atacaatggg tatcgctgan
                                                                          60
cactaagttg tanaanttaa caaatgtgct gnttg
                                                                          95
      <210> 54
      <211> 66
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(66)
      \langle 223 \rangle n = A,T,C or G
      <400> 54
cctnaatnat ntnaatggta tcaatnnccc tgaangangg gancggngga agccggnttt
                                                                          60
                                                                          66
gtccgg
      <210> 55
      <211> 265
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(265)
      <223> n = A, T, C or G
      <400> 55
atctttcttc tcagtgcctt ggccntgttg agtctatctg gtaacactgg agctgactcc
                                                                          60
ctgggaagag aggccaaatg ttacaatgaa cttaatggat gcaccaagat atatgacct
                                                                         120
                                                                         180
gtctgtggga ctgatggaaa tacttatccc aatgaatgcc gtgttatgtt tttgaaaatc
ggaaacgcca gacttctatc ctcattcaaa aatctgggcc ttnctgaaaa ccagggtttt
                                                                         240
naaaatccca ttcnggtcnc cggcg
                                                                         265
      <210> 56
      <211> 420
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(420)
      <223> n = A, T, C or G
      <400> 56
gagcggccgc ccgggcaggt cctcgcggtg acctgatggg atttcaaaac cttggttctc
                                                                          60
agcaaggccc agatttttga atgangatag aagtctggcg tttccgattt tcaaaacata
                                                                         120
```

acacgcattc attgggataa gtatttccat cagtcccaca gacngggtca tatatcttgg gtgcatccat taagttcntt tgttaacatt tgggcctctc tttcccangg gaattcagct cccagttgtt taccaanatt naactccacc ggggccaaag gcncttgaaa aaaaaaanaa ttccttgttt accttccttg ggcttnaagt tctggcgtcc aaaagttcaa tttgaaaact gcaccgcact taccacgtct cttcnagaan cctggggaca cctcggccgc gaccacgcta	180 240 300 360 420
<210> 57 <211> 170 <212> DNA <213> Homo sapien	
<400> 57 gaagcggagt tgcagcgcct ggtggccgcc gagcagcaga aggcgcagtt tactgcacag gtgcatcact tcatggagtt atgttgggat aaatgtgtgg agaagccagg gaatcgccta gactctcgca ctgaaaattg tctctccaga cctcggccgc gaccacgcta	60 120 170
<210> 58 <211> 193 <212> DNA <213> Homo sapien	
<400> 58 attttcagtg cgagagtcta ggcgattccc tggcttctcc acacatttat cccaacataa ctccatgaag tgatgcacct gtgcagtaaa ctgcgccttc tgctgctcgg cggccaccag gcgctgcaac tccgcttcat cggcttcgcc cagctccgcc attgttcgcc acctgcccgg gcggccgctc gaa	60 120 180 193
<210> 59 <211> 229 <212> DNA <213> Homo sapien	
<400> 59 cgcaactctc gagcatttat atacaatage aaatcatcca gtgtgttgta cagtctataa tactccaaca gtctcccatc tgtattcaat ggcgccaccc aatacagtcc tttgtttgga tgctggggag agtaatccct accccaagca ccatatagat aagaaaaccc tctccagttg agctgaacca cagacggttt gctgatacct gcccgggcgg ccgctcgaa	60 120 180 229
<210> 60 <211> 340 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 60 tcgagcggcc gcccgggcag gtcctctaaa gatcaaaaca cccctgtcgt ccaccctcct cccactccag ggaagctgtg gtcatggtgg tgtggtgaac atcagcaaac cgtctgtggt tcagctcaac tggagagggt tttcttatct atatggtgct tggggtaggg attactctcc ccagcatcca aacaaaggac tgtattgggt ggcgccattg aatacagatg ggaaactgtt ggagtattat aaactggtac aacacactgg atgatttgct attgtatata aatgctcgag aattgcggat cacctatgga cctcggccgc gaccacgctg</pre>	60 120 180 240 300 340
<210> 61 <211> 179 <212> DNA	

```
<213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(179)
     <223> n = A, T, C or G
     <400> 61
                                                                     60
tttttgtgac ggacgnttgg agtacatgtc ccaggatcac atccagcagc tagagtggct
gggacaaget ggeggnggee aageaetgtt gaaaenatag gggtetgggn gnaetegggt
                                                                    120
tnaagtggtt ggtccgantn ttnataacct tgtcngaacc nancatctcg gttgncang
                                                                    179
     <210> 62
     <211> 78
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(78)
     <223> n = A, T, C or G
     <400> 62
agggcgttcg taacgggaat gccgaagcgt gggaaaaagg gagcggtggc nggaagacgg
                                                                     60
ggatgagctt angacaga
     <210> 63
     <211> 410
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(410)
     <223> n = A, T, C or G
     <400> 63
cccagttact tggggaggct gaggcaggga gaatcctttg aacccggngg gtgggaggtt
                                                                     60
gcagtgagcc cgagatagca ccattgcact tccancatgg ggtggacaga gtgagactct
                                                                    120
                                                                    180
240
tntcccattt caagtcctga aaatagagga tcagaaatgt tgaggaattc tttaggatag
                                                                    300
aaagggagat gggattttac ttatggggaa agaccgcaaa taaagactgn aacttaacca
cattececaa gtgnaaggtg ttacceaaga agtaggaace ettttggetn ttacettace
                                                                    360
ttccngaaaa aaacttattn cttaaaatgg aaacccttaa agcccgggca
                                                                    410
     <210> 64
     <211> 199
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(199)
     <223> n = A, T, C or G
```

<211> 99

```
<400> 64
cttgttctca aaaaggtcaa agggagcccg acgaggaata aatagcaatg ccctgaattc
                                                                         60
caactgacct tctacagaaa agtgcttgac tgccaagtgg tcttcccagt cattagtgag
                                                                        120
gctcttgtag aattctccat actcctcttg ggngangnca tnagggtttn nggcccaaat
                                                                        180
                                                                        199
aggntgggcc tngttaagt
      <210> 65
      <211> 125
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(125)
      <223> n = A, T, C \text{ or } G
      <400> 65
ageggtacag ttetgteetg geateateat teattgtagt atggteaata ggtgeeatga
                                                                         60
                                                                        120
aactcagtag cttgctaagg acatgaaacc gaagtttcct gcctttgctg gcctngtngn
                                                                        125
      <210> 66
      <211> 204
      <212> DNA
      <213> Homo sapien
      <400> 66
                                                                         60
attcagaatt ctggcatcgg tatttctata aagtccatca gttagagcag gagcaggccc
ggagggacgc cctgaagcag cgggcggaac agagcatctc tgaagagccc ggctgggagg
                                                                        120
                                                                        180
aggaggaaga ggagctcatg ggcatttcac ccatatctcc aaaagaggca aaggttcctg
                                                                        204
tggacctcgg ccgcgaccac gcta
      <210> 67
      <211> 383
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(383)
      <223> n = A, T, C or G
      <400> 67
teagggeete caggeageea gttttgeagg anatteagea cetagngtet teetgeetna
                                                                         60
cgctcccaag aacctgctcc tgcaggggga acatcagaac tcgtccttga tgtcaaaatg
                                                                        120
gggctggtct tnaggcttga agtccaggtt agggctgcca tcctcattga gaattctccg
                                                                        180
ggcagtgtan ccgacgatgg ggtatttggc tttgtacact ttggtgaaaa cctnatccag
                                                                        240
                                                                        300
ggcctccagt tccttggccg tganacccgt antgtcatgg gtgaggtctg caggatccaa
                                                                        360
ggacatettg getacecete tagtggagte etteceegte aaggeattgt aaggggetee
                                                                        383
tcqtccataa aactcctttt cqg
      <210> 68
```

```
<212> DNA
      <213> Homo sapien
      <400> 68
tcacatctcc tttttttttt aactttttca aatttttgtg ttaaatagaa ggctaaaggg
                                                                         60
                                                                         99
ttagatttaa gtttctgcta cattgaccct atttaccta
      <210> 69
      <211> 37
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(37)
      <223> n = A, T, C or G
      <400> 69
                                                                         37
gagaaggacn tacggncctg ntantanang aatctcc
      <210> 70
      <211> 222
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(222)
      <223> n = A, T, C or G
      <400> 70
                                                                         60
gtgggtcatt tttgctgtca ccagcaacgt tgccacgacg aacatccttg acagacacat
tettgacatt gaageecaca ttgteeceag gaagagette aeteaaaget teatggegea
                                                                        120
tttcgacaga ttttacttcc gttgtaacgt tgactggagc aaaggtgacc accataccgg
                                                                        180
                                                                        222
gtttgagaac acccantcac ctgccccggg cggccgctcg aa
      <210> 71
      <211> 428
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(428)
      <223> n = A, T, C or G
      <400> 71
                                                                         60
caggagtatt ttgtagaaaa gccagaagag cattagtaga tgtatggaaa tatacggtag
qqcacacqct qacaqtactt ttcccaaqcc acqccqtatt tcttcttaca qtqqtactcq
                                                                        120
tcacqaqctt ctcqqtqqac aaqcaacatq qtqaaataaa ttatqtaqaa ataaqqcaqa
                                                                        180
atqtqqttaa aaccacatqq qaqqqaccac qccaaggcca tqatqaqatc acccaagtaa
                                                                        240
                                                                        300
ttggggtggc gaacaaagcc ccaccatcca gaaactagaa naatttttcc cgttgaaata
                                                                        360
tgaatggntt ttaaatgtgc aagctttgga tcactgggaa ttttcccgaa tgcctttttc
                                                                        420
tganaattgc accttnggaa gantccttac cccaagnttc agaccattat ttnaaaagcn
```

```
ttggaact
                                                                        428
      <210> 72
      <211> 264
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(264)
      <223> n = A, T, C or G
      <400> 72
gaataaagag cttactggaa tccagcaggg ttttctgccc aaggatttgc aagctgaagc
                                                                         60
tctctgcaaa cttgatagga gagtaaaaag ccacaataga gcagtttatg aagatcttgg
                                                                        120
aggagattga cacacttgat cctgccagaa aatttcaaag acagtagatt gaaaaggaaa
                                                                        180
ggctttggta aaaaaaggtt caggcattcc tagccgantg tgacacagtg gagcanaaca
                                                                        240
tctgcangag actgancggc tgca
                                                                        264
      <210> 73
      <211> 442
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(442)
      <223> n = A, T, C or G
      <400> 73
ggcgaatccg gcgggtatca gagccatcag aaccgccacc atgacggtgg gcaagagcag
                                                                         60
caagatgctg cagcatattg attacaggat gaggtgcatc ctgcaggacg gccggatctt
                                                                        120
                                                                        180
cattggcacc ttcaaggctt ttgacaagca catgaatttg atcctctgtg actgtgatga
gttcagaaag atcaagccaa agaacttcaa acaagcagaa agggaagaga agcgagtcct
                                                                        240
                                                                        300
eggtetggng etgetgeeaa gggagaatet ggteteaatg aengtagaag gacettette
caaagatact ggnattgctc gagttccact tgctggaact tcccggggcc caaggatcgc
                                                                        360
                                                                        420
aaggettetg geaaaagaaa teeanaettn ggeegggaee aeetaaneea atteacaea
                                                                        442
tggcggccgt actagtggat cc
      <210> 74
      <211> 337
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(337)
      <223> n = A, T, C or G
      <400> 74
ggtagcagcg tctccagagc ctgatctggg gtcccagata cccaggcagc agcagccctg
                                                                         60
                                                                       120
gaggtaaagg gcaagctccc caatgtgagg ggagacccca ttcctggtca gccaggcttt
                                                                       180
cagaggagat agcaggtcga gggagccaac gaagaagaga ctgccancag gggaaggact
gtcccgccaa ggacagaact gattcagggg ggtcaatgct cctctagaga agagccacac
                                                                        240
```

```
agaactgggg ggtccaggaa ccatgaanct tggctgtggt ctaaggagcc aggaatctgg
                                                                        300
acagtgttct gggtcatacc aggattctgg aattgta
                                                                        337
      <210> 75
      <211> 588
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(588)
      <223> n = A, T, C or G
      <400> 75
catgatgagt totgagctac ggaggaaccc toatttootc aaaagtaatt tatttttaca
                                                                         60
gcttctggtt tcacatgaaa ttgtttgcgc tactgagact gttactacaa actttttaag
                                                                        120
acatgaaaag gcgtaatgaa aaccatcccg tccccattcc tcctcctc tgagggactg
                                                                        180
gagggaagcc gtgcttctga ggaacaactc taattagtac acttgtgttt gtagatttac
                                                                        240
actttgtatt atgtattaac atggcgtgtt tatttttgta tttttctctg gttgggagta
                                                                        300
tgatatgaag gatcaagatc ctcaactcac acatgtagac aaacattagc tctttactct
                                                                        360
ttctcaaccc cttttatgat tttaataatt ctcacttaac taattttgta agcctgagat
                                                                        420
                                                                        480
caataagaaa tgttcaggag agangaaaga aaaaaaatat atgttcccca tttatattta
                                                                        540
gagagagacc cttantcttg cctgcaaaaa gtccaccttt catagtagta ngggccacat
attacattca gttgctatag gncagcactg aactgcatta cctgggca
                                                                        588
      <210> 76
      <211> 196
      <212> DNA
      <213> Homo sapien
      <400> 76
geggtateae ageetggeee eeatgtaeta teggggggee eaggetgeea tegtggteta
                                                                         60
                                                                        120
tgacatcacc aacacagata catttgcacg ggccaagaac tgggtgaagg agctacagag
                                                                       180
gcaggccagc cccaacatcg tcattgcact cgcgggtaac aaggcagacc tggacctgcc
cgggcggccg ctcgaa
                                                                        196
      <210> 77
      <211> 458
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(458)
      <223> n = A, T, C or G
      <400> 77
agtagagatg gggtttcact gtgttaacca ggatggtctt gatctcctgg cctcgtgatc
                                                                        60
tgcccgcctc ggcctcccaa agtgttggga ttacaggcgt gaaccaccgc acccgqccaq
                                                                       120
aaatgttagt ttttccctat tctctctct ttttcctatt atatacttgg tcaaccagac
                                                                       180
agccatccta ccccanaatg gtaatgcctc ttcattcctc atatgaggga ataaaagaga
                                                                       240
                                                                       300
aaaaagcttt tggaaaacat ccacttatct aatcatccca aatatgtaat caaaagtata
                                                                       360
caactcatgt gaagaataca ctggtaaaat gttantatag gccaaggtat cttgaattcc
                                                                        420
tatatagaaa gctggtaaat gcccttttgg ctggaaccgc catcttccnn taattcnccc
```

```
aaaatgacca aacacaaagg gnaagangan aagccccc
                                                                        458
      <210> 78
      <211> 464
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(464)
      <223> n = A, T, C \text{ or } G
      <400> 78
                                                                         60
teegcaaatt teetgeegge aaggteeeag catttgaggg tgatgatgga ttetgtgtgt
                                                                        120
ttgagagcaa cgccattgcc tactatgtga gcaatgagga gctgcgggga agtactccag
                                                                        180
aggcagcagc ccaggtggtg cagtgggtga gctttgctga ttccgatata gtgcccccag
ccagtacctg ggtgttcccc accttgggca tcatgcacca caacaaacag gccactgaga
                                                                        240
atgcaaagga ggaagtgagg cgaattctgg ggctgctgga tgcttacttg aagacgagga
                                                                        300
                                                                        360
cttttctggt gggcgaacga gtgacattgg ctgacatcac agttgtctgc accetgttgt
                                                                        420
ggctctataa gcaggntcta gaaccttctt ttcgcangac cttcggccgg accacgctta
                                                                        464
acccaaattc cacacattg cnggccgtac taanggaatc ccac
      <210> 79
      <211> 380
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(380)
      <223> n = A, T, C or G
      <400> 79
                                                                         60
ctgtatgacc agtttttcca tctccttcac ttctaccttg atcagctcga agtccagttc
                                                                        120
agtgtaagaa atggtateet tetecatgat gteaattegg acagttaggt ttaacagttt
                                                                        180
cttttcatac acactaatta attggacata ttccctcact ttanaaagtt ctttctcaaa
                                                                        240
cttctganaa aagaacatga actgtgaatt ccaagcgttc ccactctgtc cacgggaaaa
                                                                        300
ggtggtgtct ggcagggaaa cagaacactg gcaggtccac ggtcatccac ggagccggtg
aaattgggaa aacaactggg acacagaacc tccgctgcct aagctgcggn tgggagcttg
                                                                        360
                                                                        380
gaacccgacc tggaactgga
      <210> 80
      <211> 360
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(360)
      <223> n = A, T, C or G
      <400> 80
                                                                         60
tegageggee geeegggeag gteeteagag agetgtttgt tnegettett caaaaactee
                                                                        120
tattctccac ttctgctaaa ggactggatg acatcaattg tgatagcaat atttgtgggt
```

```
gttetgtean neancatege acteetgaac aaagtagatg ttggattgga teagtetett
                                                                       180
tccacccaga tgactcctan atggtggatn atttcaaatc catcantcag tacctgcatg
                                                                       240
cgnggtccgc ctgtgtnctt tgtcctgcag gangggcnct actacacttc ttccnagggg
                                                                       300
canaacatgg tgtgcngcgg ccatgggctg gcaacantga ttcnctgctg cacccanatn
                                                                       360
      <210> 81
      <211> 440
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(440)
      <223> n = A, T, C or G
      <400> 81
acgtggtccg gcgagtctga cctgcagata tgaactcctt gggaaaccta cattctgcct
                                                                        60
cagacatact gggggcaaat ggctttaaaa gtctggctca gggagccaag attacagaaa
                                                                       120
                                                                       180
nccgttgagt cnccatacat ggacactgac aaaggaactg aagatatcca aacaagccct
                                                                       240
cctggtcccg ngcctgcata aagatcggga ncggaacggt accngacgtc tgtggtcagg
                                                                       300
ggttgtggaa aattggaaaa aaccagtcct gcccacattg acagggaagc ctcaacggaa
                                                                       360
attgaacaga tngtcttatc accagtctcc cctcctggat cntgtctcgg ctcnggggan
                                                                       420
tcagtgatca gtcctttcag gtggaagaag caaagaagat caacaanaag cngatcctct
                                                                       440
cacctgntac cagcatatgg
     <210> 82
      <211> 264
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(264)
      <223> n = A, T, C or G
      <400> 82
agcgtggtcg cggccgangt cctgacattc ctgccttctt atattaatta tacnaataaa
                                                                        60
acaaaatagt gttgaagtgt tggagcggcg aaaatttttg gggggtggta tggacagaga
                                                                       120
atgggcgatn ttctcanggc tgcttcaagt gggattgggg cngcgtggga tcatncagtg
                                                                       180
                                                                       240
gganagattn cnctgaccgg antctnttgg tanggatnat cttgtgggga tgtgcaagag
                                                                       264
ncattcgtct cctgaatgan tggt
      <210> 83
      <211> 410
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(410)
      <223> n = A, T, C or G
      <400> 83
                                                                        60
ancettegtce ceeceangt ccacaettet eggagageca eccattete eggcaetce
```

```
acaggtaaga ctcgtgtcct gagcagcgca catcatccag gacaatgggt cctgagccct
                                                                       120
                                                                       180
gaccaaaccg ggcatttcct ggggctgaca tggcccagcc acagcccant tgcctgcaga
                                                                       240
cgaaattggc atcattggtg tcccagtant catcacaca ggtgccccag gaacctccgg
tatangaact ccactcggcc tcnanacctg tcgcctccat tccncagcct cagggggcaa
                                                                       300
                                                                       360
actgggatte agateettet gtgggtacag gtggtgatat cetgacagge caacttetg
                                                                       410
gcctgagtgt tgactgangc tgggcagacc tgcccgggcg gccgctcgaa
      <210> 84
      <211> 320
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(320)
      <223> n = A, T, C or G
      <400> 84
                                                                        60
tegaacggce geeegggeag gtetgeecea ggtgtateea tttgeegeeg atetetatea
                                                                       120
naaggagetg getaccetge nnegacgaan teetgaanat aateteacee neecagatet
ctctgtcgca atggagatgt cgtcatcggt ggncctgatc acagggcatt ggactcagag
                                                                       180
anangtnanc acagtgtnga agcgattgan nnagttcagt tgctggtctt acccgatntt
                                                                       240
ggaaggaagg aaaacgtgtt angacgtatc tcgatgnant tgaccaaanc tgaangctnc
                                                                       300
                                                                       320
agggggcatc gcaaaganan
      <210> 85
      <211> 218
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature.
      <222> (1)...(218)
      <223> n = A, T, C or G
      <400> 85
tegageggee geeegggeag gtetgetgee egtgetggtg ceattgeece atgtgaagte
                                                                        60
                                                                       120
actgtgccag cccagaacac tggtctcggg cccgagaaga ctcctttctc caggctntan
                                                                       180
gtatcaccac taaaatctcc aggggcacca tnganatcct gggtgtccgc aatgttgcca
atgtctgtcc gcnnattggc tacccaactg ttgcatca
                                                                       218
      <210> 86
      <211> 283
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(283)
      <223> n = A, T, C or G
      <400> 86
                                                                        60
tcgacttctt gtgaaggttt tgganaaata tgtatcagtt cgttttattt gggtattcaa
taatatcctt ggtgataatg ctgactccat ggcttctgac cccaaaaatt gaccctgctg
                                                                       120
```

```
ccactggttg tagccctgag attgattttt gtagccacga ttgtttcctc gtcctctgaa
                                                                        180
gtnetggttg tantteecte tgtngggeat teecetetgt tgtantteec tetgtttgan
                                                                        240
taactaccac ggccaggaaa aacaggggca cgaaggtatg gat
                                                                        283
      <210> 87
      <211> 179
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(179)
      <223> n = A, T, C or G
      <400> 87
agcgtggtcc cggccgatgt ctttctgtgt aagtgcataa cactccacat acttgacatc
                                                                         60
cttcangtca cgggccagct nttcagcant ctctggagtg ataggctact gtntgttctn
                                                                        120
ggcaagtgtc tcaanaatac aggggtcntc tctgagatga ntttcagtcc cgaacctc
                                                                        179
      <210> 88
      <211> 512
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(512)
      <223> n = A, T, C or G
      <400> 88
tcgagcggcc gcccgggcag gtcctancan agaatcacca aatttatgga gagttaacag
                                                                         60
gggtttaaca ggaangaagt gcctttagta agttctcaag ccagangctg gaggcagcag
                                                                        120
ctaaatcaga ggacaggatc ctcagtgaaa gtgagccatt cggggtggca tgtcactcca
                                                                        180
ggaataagca caacttanaa acaaatgatt tegtangata gcacagtgac attggtgcac
                                                                        240
ttgtgaacct gaggccactg tgtcaaactg tgcactggtt gtgaataggg aganccaaaa
                                                                        300
attatgtcct actgggtaat gagctttcaa tgggctcgat cctctcacnc tgaaagctct
                                                                        360
gtagagcagc tcagaaccac aaccactccc aacattgacc cttctggggg tactgtctgt
                                                                        420
ggcacccaca ggaaggagct ggagatcccc attaggactg tccacccaca cttgaagcca
                                                                        480
caaaactgca cctcggccgc gaccaccgct ta
                                                                        512
      <210> 89
      <211> 358
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(358)
      <223> n = A, T, C or G
      <400> 89
tcgagcgggc cgcccgggca ggtctgccag tccccatccc agacattctt tgcatctaag
                                                                         60
ctgangtctg aactgagtgg ggtgggctgg tgtttccatc ctcacaactc cagtgagccg
                                                                        120
ggtgtggccg tggcctgcgt ctctctggcg gttagtgatg ttggcatcat ccaccttttt
                                                                        180
```

<211> 480

```
240
caaaacaaaa gcactggact gaagaanaat cccnccctgt ntccacccag tccatggttt
                                                                        300
ttaataaaag ggttatnnaa gttgancaag ncatcaccac acacaancct aagaacnttt
                                                                        358
ttcatcnntc cccaaaacaa accencacce tgggaactce gggegegaac caegeeta
      <210> 90
      <211> 250
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(250)
      <223> n = A, T, C \text{ or } G
      <400> 90
                                                                         60
cgagcggccg cccgggcagg tctggatggg gagacggact ggaactgcgg cttcccgtgg
                                                                        120
cctgcacgca caaggctccc cacggccgcc gaccttcttc agattcgatc gtatgtgtac
gcacnaagag ccaaatattg acattcacaa cttcgtggga atnttacccc anaagactgc
                                                                        180
                                                                        240
gaccccccga tcaggcgana gcctgagcat agaagaacac cgctgtgggc ttggcactgt
                                                                        250
gggncccatc
      <210> 91
      <211> 133
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(133)
      <223> n = A, T, C or G
      <400> 91
tcgagcggcc gnccgggcag gtcccgggtg gttgtttgcc gaaatgggca agttcntnaa
                                                                         60
ncctgggaag gtggtgcntg tnctggctgg acgctactcc ggacgcnaag ctgtcntcgt
                                                                        120
                                                                        133
gangancatt gat
      <210> 92
      <211> 232
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(232)
      <223> n = A, T, C or G
      <400> 92
agcgtggtcg cggccgangt ctgtcacttt gcgggggtag cggtcaattc cagccaccag
                                                                         60
                                                                        120
agcatggctg taggggcgat ctgaggtgcc atcatcaatg ttcttcacga tgacaagctt
                                                                        180
tgcgtccgga gtagcgtcca gccaggacaa gcaccacctt cccacgtntt cangaactng
cccatttcgg cataaccacc cgggacctgc ccgggcggnc gctcgaaaag cc
                                                                        232
      <210> 93
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(480)
      <223> n = A, T, C or G
      <400> 93
agcgtgggtc gcggccgang tctgtangct caccggccag agaagaccac tgtgagcatt
                                                                         60
                                                                        120
ttgccgtata tcctgccctg ccatttgttc actttttaaa ctaaaatagg aacatccgac
acacaccgtt tgcatcgtct tctcccttga tattttaagc attttcccat gtcgtgagtt
                                                                        180
                                                                        240
tctcagaaac atgtttttaa caattgtact atttagtcat ngtccattta ctataattta
tctgaccatt tccctactgt taaaatactt aagacggttt ctgatttttc cactatttaa
                                                                        300
ataatgctgt gatgaatatc tttaaaatct tctgatttct tacttttttc ccccttagat
                                                                        360
                                                                        420
gcctggaagt ggtattttga ggtgaaagag tttgttcatt ttgaanatat ttctgtctct
                                                                        480
ctctcgacct gatgtgtana cgctcacttc cagttagcag aaccacctta gtttgtgtct
      <210> 94
      <211> 472
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(472)
      <223> n = A, T, C or G
      <400> 94
tcgagcggnc gcccgggcag ggtctgatgt cantcacaac ttgaagggat gccaatgatg
                                                                         60
taccaatcon atgtgaaatc tctcctctta tctcctatgc tgganaaggg attacaaagt
                                                                        120
                                                                        180
tatgtggcng ataannaatt ccatgcacct ctantcatcg atgagaatgg agttcatgan
ctggtgaacn atggtatctg aacccgatac cangttttgt ttgccacgat angantagct
                                                                        240
                                                                        300
tttatttttg atagaccaac tgtgaaccta ccacacgtct tggacnactg anntctaact
                                                                        360
atconcaggg ttttattttg cttgttgaac tcttncagct nttgcaaact tcccaagatc
                                                                        420
canatgactg antttcagat agcattttta tgattcccan ctcattgaag gtcttatnta
                                                                        472
tntcnttttt tccaagccaa ggagaccatt ggacctcggc cgcgaccacc tn
      <210> 95
      <211> 309
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(309)
      <223> n = A, T, C or G
      <400> 95
                                                                         60
tcqaqcqqcc qcccqqqcaq aqtqtcqaqc cagcqtcqcc qcqatqqtqt tqttqqaqaq
cgagcagttc ctgacggaac tgaccagact tttccanaag tgccggacgt cgggcancgt
                                                                        120
                                                                       180
ctatatcacc ttgaagaant atgacggtcg aaccaaaccc attccaaaga aangtactgt
                                                                       240
gganggettt ganeeegeag acaacnagtg tetgttaaga actaeegatn ggaaanaana
                                                                       300
anatcagcac tgtgggtgag ctccnaggga agttaataan tttcggatgg gcttattcna
```

```
309
acctcctta
      <210> 96
      <211> 371
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(371)
      <223> n = A, T, C or G
      <400> 96
                                                                         60
tegageggee geeegggeag gteeaceact caectactee eegtetetat agatttgeet
                                                                        120
gttctgggca gttctcagca atggaatcct actgtgtatc tttttgtgac tggttcttta
actcagcatc acattttcaa ggttcatcca tgctgcagcc tggctccgta ctggtgacag
                                                                        180
tacttcattt ctctctccct tttgttcaga ccaaggtctc cctctgtccc caaggctaaa
                                                                        240
                                                                        300
gtgcagttgg tgtgatcatg gctcactgca gcctcaaact cctggactca aacagtcctc
                                                                        360
ccatctcagc ctcccaaagt gctgatntta taagttgcaa gccctgcacc cagcctgtat
                                                                        371
ctccagtttg t
      <210> 97
      <211> 430
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(430)
      <223> n = A, T, C or G
      <400> 97
                                                                         60
teganeggee geeegggeag gtttnttttn tttnttttt nnnngntagt atttaaagan
atttattaaa tcatcttatc accaaaatgg aaacatnttc caactagaaa catgcnacca
                                                                        120
tcatcttccc cagtccagtc ncaangtcca atattttnct tgcctctgca gataaaaagt
                                                                        180
                                                                        240
tennattttt atacceacte ttacteccee ceaaaatttt aattengtee tneectaaaa
                                                                        300
ttncnccggg taacaantta ccaaaatggc naaccaatta ttttaaanaa aagttgcncn
                                                                        360
ttnaaaangg aaactttntg gcaanttanc ctcttttccc ttcccacccc ccantttaag
                                                                        420
gggaaaacaa tggcactttg ctcttgcttn aacccaaaat tgtcttccaa aaactattaa
                                                                        430
aaatgttnaa
      <210> 98
      <211> 307
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(307)
      <223> n = A, T, C \text{ or } G
      <400> 98
tenaacggcc gccenggenn gtctngengc acctgtgcct cancegtcga tacctggtcg
                                                                         60
attgggacan ggaanacaat ntggttttca gggaggccac anatttggag aaacggatga
                                                                        120
```

```
attctccttt attccgaant cagctccttg gtctccgtag anggtgatct tgaaattctc
                                                                        180
ctgttttgaa aactttcttg aanaaacctt acctgctggt tgtatttggt ctcccactcg
                                                                        240
gacaagtact cgttatccnn ggtactctta atgtgcccac gtnaactccc cgggntggca
                                                                        300
actggaa
                                                                        307
      <210> 99
      <211> 207
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(207)
      <223> n = A, T, C or G
      <400> 99
gtccnggacc gatgttgcna aganntttct tggtccanta ggttcnaaaa aatgataanc
                                                                         60
naggtntanc acgtgaagat ntntatanag tcttantnaa aacncntaga tctgnatgac
                                                                        120
gataantcga anacnggggg aggggntgag gngaggtggn gtganggaag anntgttgat
                                                                        180
aaaagannna gntgataaga anngagc
                                                                        207
      <210> 100
      <211> 200
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(200)
      <223> n = A, T, C or G
      <400> 100
acntnnacta gaantaacag ncnttctang aacactacca tctgtnttca catgaaatgc
                                                                         60
cacacacata naaactccaa catcaatttc attgcacaga ctgactgtaa ttaattttgt
                                                                        120
cacaggaatc tatggactga atctaatgcn nccccaaatg ttgttngttt gcaatntcaa
                                                                        180
acatnnttat tccancagat
                                                                        200
      <210> 101
      <211> 51
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(51)
      <223> n = A, T, C or G
      <400> 101
tcgagcggcc gcccgggcag gtctgaccag tgganaaatg cccagttatt g
                                                                         51
      <210> 102
      <211> 385
      <212> DNA
      <213> Homo sapien
```

```
<220>
       <221> misc_feature
       <222> (1)...(385)
       <223> n = A, T, C or G
       <400> 102
 aacgtggtcg cggccgaagt ccatggtgct gggattaatc cactgtgacn gtgactctga
                                                                          60
 gttgagttgt ttttcaatct tctccaagcc tgtggactca tcctccacat ccttgggtag
                                                                         120
 taggatgaac atgctgaaga tgctnatttt gaaaaggaac tctatgaatc ttacaattga
                                                                         180
 atactgtcaa tgtttcccca tnacagaacg tggnccccca aggttccatc atctgcactg
                                                                         240
 ggtttgggtg ttctgtcttg gttgactctt gaaaagggac atttctttt gttttcttga
                                                                         300
attcanggaa attttcttca tccactttgc ccacaaaagt taggcagcat ttaaccccca
                                                                         360
                                                                         385
 anggattttg ggtctgggtc cttcc
      <210> 103
      <211> 189
       <212> DNA
       <213> Homo sapien
      <220>
      <221> misc feature
       <222> (1)...(189)
      <223> n = A, T, C or G
      <400> 103
agcgtggtcg cggccgaagt ctgcagcctg ggactgaccg ggaagctctg attatttacc
                                                                          60
caccacaggt angttgtgtt ctgaatctca agttcacagg ttaaggctac agcatcctca
                                                                         120
tectecaegg ggttggantt gttgetggtg atgaanggtt tggggtgget etgeataaet
                                                                         180
                                                                         189
gttgatctc
      <210> 104
      <211> 181
       <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(181)
      <223> n = A, T, C or G
      <400> 104
tegageggee geeegggeag gteeaggtet ceaceaange accaeegtgg gaagetggta
                                                                          60
attgatgccc accttgaagc enntggggca ccatcencca actggatgct gegettggtt
                                                                         120
                                                                         180
ttgatggtgg caatggcaca ttgactcttt tgggaaccac ttcaccacgg tacaacaggc
                                                                         181
      <210> 105
      <211> 327
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
```

```
<222> (1)...(327)
      <223> n = A, T, C or G
      <400> 105
                                                                         60
tegageggee geeegggeag gtettetgtg gagtetgegt gggeategtg ggeagtgggg
                                                                        120
ctgccctggc cgatgctcan aaccccagcc tctttgtaaa gattctcatc gtgganatct
                                                                        180
ttggcagcgc cattggcctc tttggggtca tcgtcgcaat tcttcanacc tccanaatga
                                                                        240
anatgggtga ctanataata tgtgtgggtn gggccgtgcc tcacttttat ttattgctgg
                                                                        300
ttttcctqqq acaqaactcq qqcqcqaaca cgcttanccq aattccaaca cactggcggg
                                                                        327
cgttactagt ggatccgagc tcggtac
     <210> 106
     <211> 268
      <212> DNA
      <213> Homo sapien
      <220>
     <221> misc feature
      <222> (1)...(268)
      <223> n = A, T, C or G
      <400> 106
                                                                         60
agcgtggtcg cggccgangt ctggcgtgtg ccacatcggt cccacctcgc tttacaaaac
                                                                        120
agtoctgaac ttnatctaat aaaattattg tacacnacat ttacattaga aaaaganagc
                                                                        180
tgggtgtang aaaccgggcc tggtgttccc tttaagcgaa ngtggctcca cagttggggc
                                                                        240
atcgtcgctt cctcnaagca aaaacgccaa tgaaccccna agggggaaaa aggaatgaag
                                                                        268
gaactgnccn gggangnccg ctccgaaa
      <210> 107
      <211> 353
      <212> DNA
      <213> Homo sapien
     <220>
      <221> misc feature
      <222> (1)...(353)
      <223> n = A, T, C or G
      <400> 107
                                                                         60
tegageggee geeegggeag gtggeeagge catgttatgg gateteaaeg aaggeaaaea
                                                                        120
cctttacacn ctagatggtg gggacatcat caacgccctg tgcttcagcc ctaaccgcta
                                                                        180
ctggctgtgt gctgccgcag gccccagcat caagatctgg gatttanagg gaaagatcnt
tgtnnatgaa ctgaancnta aattatcagt tccannacca ngcaaaaacc acccngtgca
                                                                        240
                                                                        300
ctccctggcc tggtctgctg atgggacctc gggcgcgaac acgctnancc caattccanc
                                                                        353
acactgggcg gncgttacta ntggatccga actcnggtac caancttggc gtt
      <210> 108
      <211> 360
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(360)
```

```
<223> n = A, T, C \text{ or } G
      <400> 108
agcgtggtcg cggccgaagt cctggcctca catgaccctg ctccagcaac ttgaacagga
                                                                         60
                                                                        120
naagcagcag ctacatcctt aaggtccgga aagttagatg aagatttgga tcctgcattg
                                                                        180
nectgeetee cacetatete tecenaatta taaacageet eettgggaag cageagaatt
taaaaactct cccnctgccc tnttgaacta cacaccnacc gggaaaacct ttttcanaat
                                                                        240
ggcacaaaaa tncnagggaa tgcatttcca tgaangaana aactgggtta cccaaaatta
                                                                        300
ttgggttggg gaaatccngg gggggttttn aaaaaagggc aanccnccaa anaaaaaaac
                                                                        360
      <210> 109
      <211> 101
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(101)
      <223> n = A, T, C or G
      <400> 109
                                                                         60
atcgtggtcn cggccgaagt cctgtgtcct ggatgggccg tgtgcancga atccgttggc
gactcctaac taccaanaaa angactctcg gaagaaattt c
                                                                        101
      <210> 110
      <211> 300
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(300)
      <223> n = A, T, C or G
      <400> 110
                                                                         60
ccanggaaac ccagagtcac atgagatagg gtggctttcg ggacaggggg tcagangaat
                                                                        120
ggtacatgga teteageece tgatggacae ggaacaggtg tggteagaae teceangatt
ctgcatccan gatccagtct ctatagaagt tatggatcat tccttcattt cattccccc
                                                                        180
                                                                        240
ttcatgaaaa aacttctgaa caagcctttt ttctcacttt ggggccctgt ttggcncaag
gtnttnantt ggggaaaaaa aaacaaatcc nttccnttan ccctccgtgg ggaatgacct
                                                                        300
      <210> 111
      <211> 366
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(366)
      <223> n = A, T, C or G
      <400> 111
cgagcggccg cccgggcagg tccttgtgtt gccatctgtt ancattgatt tctggaatgg
                                                                         60
                                                                        120
aacanctttc tcaaagtttg gtcttgctan tcatgaagtc atgtcagtgt cttaagtcac
```

```
tgctgctcac ttccttaccc agggaatata ctgcataagt ttctgaacac ctgttttcan
                                                                     180
tattcactgt tcctctcctg cccaaaattg gaagggacct catttaaaaa tcaaatttga
                                                                     240
atcctgaaan aaaaacngga aatntttctc ttggaatttg gaatagaatt attcanttga
                                                                     300
ataacatgtt ttttcccctt gccttgctct tcncaanaac atctggacct cggccgcgac
                                                                     360
acctta
                                                                     366
     <210> 112
      <211> 405
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(405)
     <223> n = A, T, C or G
     <400> 112
ctgactncta aacttctaat tcnatcaana taactactct ccttccgtct tncagagtgt
                                                                      60
tcacaataaa tctgtgaatc tggcatacac agttgctgga aaattgttct tcctccacna
                                                                     120
                                                                     180
aaaggtcaat tgttcnccnc atgaaanaag ataaattgtt catccatcac tnctgaacca
tccaaaacgc cggcggaatt attnccccgt tattatgggg aacggaattt tnaataaatt
                                                                     240
tgggaangaa tggggctttt attgttttgt tttccccctt tcttggcatt gattgggccg
                                                                     300
                                                                     360
caatgggccc cctcgctcan aanntgcccc ggggccggcc gctccaaaac cgaaattccc
                                                                     405
anccacactt ggcgggccgt tactanttgg atccgaactc ggtta
     <210> 113
     <211> 401
     <212> DNA
     <213> Homo sapien
     <400> 113
ggatagaaga gtatatgggt ttggcaccac ggggtggata ggcaaaacat ttggttgata
                                                                      60
aggcgcagat tctgaactaa cttgtaaggc ttgtctggtt ttaggacagg taaaatgggg
                                                                     120
                                                                     180
gaatggtaag gagagtttat aggttttagg agcccatgct gtagcaggca agtgataaca
                                                                     240
ggctttaatc ctttcaaagc atgctgtggg atgagatatt ggcatttgag cggggtaagg
300
tagaggtatc ttatacttgt ggggttaagg tgggggggat ataagaggga ggacgccaaa
                                                                     360
ggaggctttg gattaggaat aaggggcggc aatgagatgc a
                                                                     401
     <210> 114
     <211> 401
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(401)
     <223> n = A, T, C or G
     <400> 114
                                                                      60
angtccacag gangcangag gccaggctcc gtcccancca gtccatgatg ttgaagagga
                                                                     120
ggaagcagca catggggttg aagaactgac tecactteec aggactggtg gagetggtea
                                                                     180
ccatggctgt ggtggcgggg aagacggaca gggtgacttc tggaagacag tgaagactga
                                                                     240
aggttttcct ggcttctggg gctcatctgg ctctgattcc ggctccttct ccaggtcaag
```

```
300
atccagggtt cagagctact ttcttggggg actactnggg aatcccgttc tcatctgggg
gtngaggggg gacggggnaa gggncatgct tgtgacccag gtttcccacc tcggcccgcg
                                                                        360
                                                                        401
accacgctaa ggcccgaatt ncagcacact tggcggcccg t
      <210> 115
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 115
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 Leu
 Ala
 Ind
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                                                                       180
aatctccttg tggtatttag tcatttacca ttaacacata ttatggctta aaaagggcca
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tecetteett ttetgagetg gagttettea egeteacett tgatgeatgg cettagetgg
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cctctctgtt catagaaaca cctgccagtg tcaaggattc cagtcaggtg tctatcccaa
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ttccctcccc actattctta ttctcaaccc ccagaggaac caaggctgct gtacccacct
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cagggacaga actccacact atagtgggaa agcttcaggg acccctcctt ttagtgctca
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ccctgatgta gcagccttac tgtggagggg ccaaagctgg tgttcagagc tcacccaagg
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agggaggtga taaggtgtca tgcgttctgc tgaacccact ggntggtatg aacatgaggc
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480

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<pre>cctccag  &lt;210&gt; 133 &lt;211&gt; 219 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;220&gt; &lt;221&gt; misc_feature &lt;222&gt; (1)(219) &lt;223&gt; n = A,T,C or G</pre>	787
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                                                                     300
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aaaccaaacc cagcactgtg cataaatacc acttgccaag aagtcaggtc ctcggcaacc
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agagattgtc ctgcaacaat attatgttta gttctactgc agaatgataa ctggatctta
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atttaagtct agaaagaatc ttaaaggctc atcttatagt aaccagaggc agg
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caagagtggg aatggtcagg ctggggtaca gcctgctctc ggtgtgggcc tatgatctag
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                                                                       120
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      <211> 421
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(421)
      <223> n = A, T, C or G
      <400> 147
gaccagttga gttcttcctg gctattgtat aatccacagc cacactgtga aagcaaatct
                                                                        60
ggccagttag caacacaggg agaatctgcc tgaactgacc aaaggtgtcc atacttcatg
                                                                       120
tcagtgagaa tttcacctcc atcatgttct aaaqagccaa caacagattc tagggcactg
                                                                       180
caaaatgctt cagcaattaa ttgaagttct gtttgagtac attcatcatc tttgagaatg
                                                                       240
ctttctgggt cgttgtgagt cttgtgtctg atatatgcag ccaaatgagt ttcagtacag
                                                                       300
ccacctccca acaaagccca tggttccttg agtgttaact gcaggacatg cagtgccgtc
                                                                       360
tgacacgtga gcttcagctc atcccangca gtgtcatttc tgttgcagag aagccaagct
                                                                       420
                                                                       421
      <210> 148
      <211> 237
      <212> DNA
      <213> Homo sapien
      <400> 148
acacaccact gttggccttc catctgggtt aagtcaactg tgagtagaaa ccgaagataa
                                                                        60
cagttttgta ttcataatgg ccttttcata ctccaagtac ttttgagcac agagcctctt
                                                                       120
                                                                       180
gettetgace tggcacttgg aacacagata tatatatett ttgttetgte cetgggaaac
tgatatttgt gtaagacaac caccagatat tttctctaat aaaatcttct aaaatta
                                                                       237
      <210> 149
      <211> 168
      <212> DNA
      <213> Homo sapien
      <400> 149
agagaaagtt aaagtgcaat aatgtttgaa gacaataagt ggtggtgtat cttgtttcta
                                                                        60
ataagataaa cttttttgtc tttgctttat cttattaggg agttgtatgt cagtgtataa
                                                                       120
aacatactgt gtggtataac aggcttaata aattctttaa aaggagag
                                                                       168
```

<210> 150

```
<211> 68
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(68)
      <223> n = A, T, C or G
      <400> 150
ggtggggttt ggcagagatg antttaagtg ctgtggccag aagcgggggg ggggtttggt
                                                                        60
ggaaattt
                                                                        68
      <210> 151
      <211> 421
      <212> DNA
      <213> Homo sapien
      <400> 151
aggtgacacg tattcgggat gaaagtataa tagtcattcc ttcaaccctt gcatttatgg
                                                                        60
actctggaaa tcgaagatcc acagtgagta aagatgttcg tccaaagaca aaaaatagaa
                                                                       120
acageteaac aaagegagag acaaaaaaac aaaatggeac tgtggetetg cetttgaagt
                                                                       180
                                                                       240
ctgggctcca gcagagggct gatcttccca caggagacga gacggcctat gacactctcc
                                                                       300
agaactgttg tcagtgccga attttacttc ccttgcccat tctaaatgag caccaggaga
                                                                       360
agtgccagag gttagctcac caaaagaaac tccagtgggg ctggtgagat ggctcagcgg
                                                                       420
gtaagagcac ccgactgctc ttccgaaggt ccggagttca aatcccagca accacatggt
                                                                       421
      <210> 152
      <211> 507
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(507)
      <223> n = A, T, C or G
      <400> 152
gaattcggca cnagctcgtg ccgccagggt nggtccnttt tttgctccgc ctcgccanga
                                                                        60
cttcctacag ctatcgccag tcgtcggcca cgtcntcctt cngaggcctg ggcggcgct
                                                                       120
cegtgegttn tgggcegggg gtegeettte neteneceag catteaeggg ggeteeggeg
                                                                       180
gccgcggcgt atccgtgtcc tccgcccgct ntgtgtcctc gtcctcctcn ggggcctacg
                                                                       240
gctngctgct acngcggctt cctgaccgct tccnacgggc tgctggcngg caacgagaag
                                                                       300
ctaaccatgc agaacctnaa cnaccgcctg gcctcctacc tgnacaaggt gcgcnccctg
                                                                       360
taggcggcca acggcnagct agaggtgaag atccnctact gggtaccaga agcaggggcc
                                                                       420
tgggccctgc ccgactacag ccactnctnc acnaccatgc agtacctgcn ggganaagat
                                                                       480
tntngggngc caccatngag aactgca
                                                                       507
      <210> 153
      <211> 513
      <212> DNA
      <213> Homo sapien
```

```
<400> 153
                                                                        60
gaattcggca cgaggtggct cagatgtcca ctactgggag tatggtcgaa ttgggaattt
                                                                       120
tattgtgaaa aagcccatgg tgctgggaca tgaagcttcg ggaacagtcg aaaaagtggg
                                                                       180
atcatcggta aagcacctaa aaccaggtga tcgtgttgcc atcgagcctg gtgctccccg
                                                                       240
agaaaatgat gaattetgea agatgggeeg atacaatetg teacetteea tettettetg
                                                                       300
tgccgcgccc cccgatgacg ggaacctctg ccggttctat aagcacaatg cagccttttg
                                                                       360
ttacaagett cetgacaatg teacetttga ggaaggegee etgategage eactttetgt
                                                                       420
ggggatccat gcctgcagga gaggcggagt taccctggga cacaaggtcc ttgtgtgtgg
                                                                       480
agctgggcca atcgggatgg tcactttgct cgtggccaaa gcaatgggag cagctcaagt
                                                                       513
agtggtgact gatctgtctg ctacccgatt gtc
      <210> 154
      <211> 507
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(507)
      <223> n = A, T, C or G
      <400> 154
ggcacgagct cgtgccgaat tcggcncgag cagacacaat ggtaagaatg gtgcctgtcc
                                                                        60
                                                                       120
tgctgtctct gctgctgctt ctgggtcctg ctgtccccca ggagaaccaa gatggtcgtt
                                                                       180
actetetgae etatatetae actgggetgt ecaageatgt tgaagaegte eeegegttte
                                                                       240
aggecettgg eteacteaat gaceteeagt tetttagata caacagtaaa gacaggaagt
                                                                       300
ctcagcccat gggactctgg agacaggtgg aaggaatgga ggattggaag caggacagcc
                                                                       360
aacttcagaa ggccagggag gacatcttta tggagaccct gaaagacatc gtggagtatt
                                                                       420
acaacgacag taacgggtct cacgtattgc agggaaggtt tggttgtgag atcgagaata
                                                                       480
acagaagcag cggagcattc tggaaatatt actatgatgg aaaggactac attgaattca
                                                                       507
acaaagaaat cccagcctgg gtcccct
      <210> 155
      <211> 507
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(507)
      <223> n = A, T, C or G
      <400> 155
                                                                        60
ggcacgagga gacctaaggg ctgagtntcg ggaacaggag aaagctctgt tggccctcca
                                                                       120
gcagcagtgt gctgagcagg cacaggagca tgaggtggag accagggccc tgcaggacag
                                                                       180
ctggctgcag gcccaggcag tgctcaagga acgggaccag gagctggaag ctctgcgggc
                                                                       240
agaaagtcag tcctcccggc atcaggagga ggctgcccgg gcccgggctg aggctctgca
                                                                       300
ggaggccctt ggcaaggctc atgctgccct gcaggggaaa gagcagcatc tcctcgagca
                                                                       360
ggcagaattg agccgcagtc tggaggccag cactgcaacc ctgcaagcct ccctggatgc
                                                                       420
ctgccaggca cacagtcggc agctggagga ggctctgagg atacaagaag gtgagatcca
                                                                       480
ggaccaggat ctccgatacc aggaggatgt gcagcagctg cagcaggcac ttgcccagag
                                                                       507
ggatgaagag ctgagacatc agcagga
```

```
<211> 509
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(509)
      <223> n = A, T, C or G
      <400> 156
                                                                        60
ggcacgagga cagagagaac cctgtngaaa gagcgttacc aggaggtcct ggacaaacag
aggcaagtgg agaatcagct ccaagtgcaa ttaaagcagc ttcagcaaag gagagaagag
                                                                       120
                                                                       180
gaaatgaaga atcaccagga gatattaaag gctattcagg atgtgacaat aaagcgggaa
                                                                       240
gaaacaaaga agaagataga gaaagagaag aaggagtttt tgcagaagga gcaggatctg
aaagctgaaa ttgagaagct ttgtgagaag ggcagaagag aggtgtggga aatggaactg
                                                                       300
                                                                       360
gatagactca agaatcagga tggcgaaata aataggaaca ttatggaaga gactgaacgg
                                                                       420
gcctggaagg cagagatctt atcactagag agccggaaag agttactggt actgaaacta
gaagaagcag aaaaagaggc agaattgcac cttacttacc tcaagtcaac tcccccaaca
                                                                       480
                                                                       509
ctggagacag ttcgttccaa acaggagtg
      <210> 157
      <211> 507
      <212> DNA
      <213> Homo sapien
      <400> 157
                                                                        60
ggcacgaggg cagecetect accggegeac gtggtgeege egetgetgee teeegetege
                                                                       120
cetgaaceca gtgcctgcag ccatggetee eggecagete gcettattta gtgtetetga
caaaaccggc cttgtggaat ttgcaagaaa cctgaccgct cttggtttga atctggtcgc
                                                                       180
                                                                       240
ttccggaggg actgcaaaag ctctcaggga tgctggtctg gcagtcagag atgtctctga
                                                                       300
gttgacggga tttcctgaaa tgttgggggg acgtgtgaaa actttgcatc ctgcagtcca
                                                                       360
tgctggaatc ctagctcgta atattccaga agataatgct gacatggcca gacttgattt
                                                                       420
caatcttata agagttgttg cctgcaatct ctatcccttt gtaaagacag tggcttctcc
                                                                       480
aggtgtaagt gttgaggagg ctgtggagca aattgacatt ggtggagtaa ccttactgag
                                                                       507
agctgcagcc aaaaaccacg ctcgagt
      <210> 158
      <211> 507
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(507)
      <223> n = A, T, C or G
      <400> 158
                                                                        60
ggcacgagtc gagctgtgcc tattcgngtc aatccaagag tgagtaatgt gaagtctgtc
                                                                       120
tacaaaaccc acattgatgt cattcattat cggaaaacgg atgcaaaacg tctgcatggc
                                                                       180
cttgatgaag aagcagaaca gaaacttttt tcagagaaac gtgtggaatt gcttaaggaa
                                                                       240
ctttccagga aaccagacat ttatgagagg cttgcttcag ccttggctcc aagcatttat
                                                                       300.
gaacatgaag atataaagaa gggaattttg cttcagctct ttggcgggac aaggaaggat
                                                                       360
tttagtcaca ctggaagggg caaatttcgg gctgagatca acatcttgct gtgtggcgac
                                                                       420
cetggtacca gcaagtecca getgetgeag tacgtgtaca acctegtece caggggecag
```

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tacacginitg ggaagggete cagigeannit ggeetnactg entacgiaat gaaagaceet
                                                                       480
gagacaaggn anctggnnct gnnacag
                                                                       507
      <210> 159
      <211> 508
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(508)
      <223> n = A, T, C or G
      <400> 159
ggcacnanaa accaggatta tggtnnggat ccaaagattg ctaatgcaat aatgaaggca
                                                                        60
gcagatgagg tagctgaagg taaattaaat gatcattttc ctctcgtggt atggcagact
                                                                       120
ggatcaggaa ctcagacaaa tatgaatgta aatgaagtca ttagcaatag agcaattgaa
                                                                       180
atgttaggag gtgaacttgg cagcaagata cctgtgcatc ccaacgatca tgttaataaa
                                                                       240
                                                                       300
agccagaget caaatgatae tttteecaca geaatgeaca ttgetgetge aatagaagtt
                                                                       360
catgaagtac tgttaccagg actacagaag ttacatgatg ctcttgatgc aaaatccaaa
                                                                       420
gagtttgcac agatcatcaa gattggacgt actcatactc aggatgctgt tccacttact
cttgggcagg aatttagtgg ttatgttcaa caagtaaaat atgcaatgac aagaataaaa
                                                                       480
                                                                       508
gctgccatgc caagaatcta tgagctcg
      <210> 160
      <211> 508
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(508)
      <223> n = A, T, C or G
      <400> 160
ggcacgagct tggagcaaag tcatctnaag gaattagagg acacacttca ggttaggcac
                                                                        60
atacaagagt ttgagaaggt tatgacagac cacagagttt ctttggagga attaaaaaag
                                                                       120
                                                                       180
gaaaaccaac aaataattaa tcaaatacaa gaatctcatg ctgaaattat ccaggaaaaa
gaaaaacagt tacaggaatt aaaactcaag gtttctgatt tgtcagacac gagatgcaag
                                                                       240
                                                                       300
ttagaggttg aacttgcgtt gaaggaagca gaaactgatg aaataaaaat tttgctggaa
                                                                       360
gaaagcagag cccagcagaa ggagacettg aaatetette ttgaacaaga gacagaaaat
                                                                       420
ttgagaacag aaattagtaa actcaaccaa aagattcagg ataataatga aaattatcag
                                                                       480
gtgggcttag cagagctaag aactttaatg acaattgaaa aagatcagtg tatttccgag
                                                                       508
ttaattagta gacatgaaga agaatcta
      <210> 161
      <211> 507
      <212> DNA
      <213> Homo sapien
      <400> 161
ggcacgagcg ctaccggcgc ctcctctgcg gccactgagc cggagccggc ctgagcagcg
                                                                        60
ctctcggttg cagtacccac tggaaggact taggcgctcg cgtggacacc gcaagcccct
                                                                       120
cagtagcete ggeccaagag geetgettte cactegetag eecegeeggg ggteegtgte
                                                                       180
```

```
ctgtctcggt ggccggaccc gggcccgagc ccgagcagta gccggcgcca tgtcggtggt
                                                                       240
gggcatagac ctgggcttcc agagctgcta cgtcgctgtg gcccgcgccg gcggcatcga
                                                                       300
gactateget aatgagtata gegacegetg caegeegget tgeatttett ttggteetaa
                                                                       360
gaatcgttca attggagcag cagctaaaag ccaggtaatt tctaatgcaa agaacacagt
                                                                       420
ccaaggattt aaaagattcc atggccgagc attctctgat ccatttgtgg aggcagaaaa
                                                                       480
atctaacctt gcatatgata ttgtgca
                                                                       507
      <210> 162
      <211> 507
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(507)
      <223> n = A, T, C or G
      <400> 162
ggcacgagca gctgtgcacc gacatgntct cagtgtcctg agtaagacca aagaagctgg
                                                                        60
caagateete tetaataate eeageaaggg aetggeeetg ggaattgeea aageetggga
                                                                       120
getetaegge teacceaatg etetggtget aetgattget eaagagaagg aaagaaacat
                                                                       180
atttgaccag cgtgccatag agaatgagct actggccagg aacatccatg tgatccgacg
                                                                       240
aacatttgaa gatatctctg aaaaggggtc tctggaccaa gaccgaaggc tgtttgtgga
                                                                       300
tggccaggaa attgctgtgg tttacttccg ggatggctac atgcctcgtc agtacagtct
                                                                       360
acagaattgg gaagcacgtc tactgctgga gaggtcacat gctgccaagt gcccagacat
                                                                       420
tgccacccag ctggctggga ctaagaaggt gcagcaggag ctaagcaggc cgggcatgct
                                                                       480
ggagatgttg ctccctggcc agcctga
                                                                       507
      <210> 163
      <211> 460
      <212> DNA
      <213> Homo sapien
      <400> 163
ggcacgagaa ataactttat ttcattgtgg gtcgcggttc ttgtttgtgg atcgctgtga
                                                                        60
tegteacttg acaatgeaga tettegtgaa gaetetgaet ggtaagaeea teaceetega
                                                                       120
ggttgagccc agtgacacca tcgagaatgt caaggcaaag atccaagata aggaaggcat
                                                                       180
ccctcctgac cagcagaggc tgatctttgc tggaaaacag ctggaagatg ggcgcaccct
                                                                       240
                                                                       300
gtctgactac aacatccaga aagagtccac cctgcacctg gtgctccgtc tcagaggtgg
gatgcaaatc ttcgtgaaga cactcactgg caagaccatc accettgagg tggagcccag
                                                                       360
tgacaccatc gagaacgtca aagcaaagat ccaggacaag gaaggcattc ctcctgacca
                                                                       420
gcagaggttg atctttgccg gaaagcagct ggaagatggg
                                                                       460
      <210> 164
      <211> 462
      <212> DNA
      <213> Homo sapien
      <400> 164
ggcacgagec ggateteatt gecaegegee eeegaegaee geeegaegtg catteeegat
                                                                        60
                                                                       120
teettttggt teeaagteea atatggeaae tetaaaggat eagetgattt ataatettet
                                                                       180
aaaggaagaa cagacccccc agaataagat tacagttgtt ggggttggtg ctgttggcat
                                                                       240
ggcctgtgcc atcagtatct taatgaagga cttggcagat gaacttgctc ttgttgatgt
catcgaagac aaattgaagg gagagatgat ggatctccaa catggcagcc ttttccttag
                                                                       300
```

```
aacaccaaag attgtctctg gcaaagacta taatgtaact gcaaactcca agctggtcat
                                                                       360
tatcacggct ggggcacgtc agcaagaggg agaaagccgt cttaatttgg tccagcgtaa
                                                                       420
cgtgaacatc tttaaattca tcattcctaa tgttgtaaaa ta
                                                                       462
      <210> 165
      <211> 462
      <212> DNA
      <213> Homo sapien
      <400> 165
ggcacgagga agccatgagc agcaaagtct ctcgcgacac cctgtacgag gcggtgcggg
                                                                        60
aagteetgea egggaaceag egcaagegee gcaagtteet ggagaeggtg gagttgeaga
                                                                       120
                                                                       180
tcagcttgaa gaactatgat ccccagaagg acaagcgctt ctcgggcacc gtcaggctta
                                                                       240
agtocactoc cogocotaag ttototgtgt gtgtootggg ggaccagcag cactgtgacg
                                                                       300
aggctaaggc cgtggatatc ccccacatgg acatcgaggc gctgaaaaaa ctcaacaaga
                                                                       360
ataaaaaact ggtcaagaag ctggccaaga agtatgatgc gtttttggcc tcagagtctc
                                                                       420
tgatcaagca gattccacga atcctcggcc caggtttaaa taaggcagga aagttccctt
ccctgctcac acacaacgaa aacatggtgg ccaaagtgga tg
                                                                       462
      <210> 166
      <211> 459
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(459)
     <223> n = A, T, C or G
      <400> 166
                                                                        60
ggcacgagag ggacctgtnt gaatggntcc actagggttn anntgnctct tacttttaac
                                                                       120
cantnaaatn gacctgcccg tgaanangcg ggcntgacac annaanacga gaagacccta
                                                                       180
tggagettta atttattaat geanacagna eetaacaaac eeacangtee taaactaeca
                                                                       240
agcctgcatt aaaaatttcg gntggggcna cctcnnagca naacccaacc tccgagcaac
                                                                       300
tcatgctaag acttcaccag tcaaagctga actactatac tcaattgatc caataacttg
                                                                       360
accaacagan caagntaccc tagggataac ancacaatcc tattctagac cccttatnac
                                                                       420
caatangntt tacacctcna tngnggaacc aggacatccg atggggcagn cgttattaaa
                                                                       459
gttngttgnt aacnataaag tctacgtgat ctgagttag
      <210> 167
      <211> 464
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(464)
      <223> n = A, T, C or G
      <400> 167
                                                                        60
gaattgggac caacganaan entgeggnte tintittgen tecannque agetnattge
                                                                       120
teagacacae atggggaagg tnaaggtegg gagteaaeng atttggtngt attgnagegt
                                                                       180
ttggtcacca gngctgcttt taactctggn aaagtggata ttgttgtcat naatgacccc
                                                                       240
tncattgacc tnaactacat ggtttacatg ttccaatatg attccaccca tggcaaattc
```

```
catngcaccg tnaaggctga gaacgggaag cttgtnatca atggaaatcc catcaccatc
                                                                        300
tttcangaac ganatcentn caaaaatcaa anttgggggc gatgcttggc cncttgaagt
                                                                        360
                                                                        420
accepticaan gggaannnce ccactitgge centrittine aaneecacee caattiggen
aaaaaaaag gggnntttgg gggggggcct tttanntttt tttt
                                                                        464
      <210> 168
      <211> 462
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(462)
      <223> n = A, T, C or G
      <400> 168
                                                                         60
ggcacgaggn nnaacctncg gggctggggc agcacgcctt gngcaancct gcactgcact
gaagaccegg tgccggaagc cgnnggcngc nacatgcagn aactgaacca gctgggcgcg
                                                                        120
cancagttct cagacctgac agaggtgctt ttacacttcc taactgatcc anantangtg
                                                                        180
gaaatattnt tngttnatnt catntgaatn atccancncc aatcatanca nntttnattn
                                                                        240
                                                                        300
cctcataanc nttgagaana gcnnccttnt gnttncanan ggtgctntga anangagtct
cacangcaan caggtccaag cggatttnnt aactntgggt cttantgang agaaagncac
                                                                        360
ttacttttct gaaancngga agcagaatgc tcccaccctt gctcgatggg ccatacgtca
                                                                        420
                                                                        462
agactctgat gattaaccag ctttanatat ggacnggaaa tt
      <210> 169
      <211> 460
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(460)
      <223> n = A, T, C or G
      <400> 169
                                                                         60
ggcacgaggg acagcagacn agacagtcac agcagccttg acaaaacgtt cctggaactc
                                                                        120
aagntettnt neneaaagga ggacagagea nacageagag accatggant etneetegge
ccctccccac agatggtgca tcccctggca naggctcctg ctcacagcct cacttctaac
                                                                        180
cttctggaac ccgccacca ctgccaaget cactattgaa tccacgccgt tcaatgnntc
                                                                        240
ntaggggaag gaggngettt etaetnttne acaatetgan eccettettn tttggttaet
                                                                        300
ancatggete theatgthaa aatactggha tgghtaacct gteaaattta tagghantht
                                                                        360
                                                                        420
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gttatgagaa atgtagagag tgagttgagc atagtttgtg attttgaggg cctctaacag
tattaaagca gcggcagcgg ctgcacacag acatgatggc taggctaaaa caggaaggtc
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aagttgtttg gacagaaagg ctacagggtg cagtcctggc tcttgtgtaa gaattctgac
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                                                                       420
cacactaacc atgcctagga aggaaaggag ttgttctttt gtaagggatt gaggtttggg
agattaatcg gacacgatca gcagggagag cacctgtgtt tttatgagaa ttatgctgag
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gaagaggage atgeeettea aaaagggtge egeetttgag etggtettea tagteetgge
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tgagcactac aaggtggtgg taaatggaaa tcccttctat gagtacgggc accggcttcc
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gcatgagegg gcaegcateg agaaggegta tgeacageag eteaetgagt gggeeegaeg
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ctggaggcag ctggtagaga agggaccaca gtatgggacc gtggagaagg cctggatagc
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                                                                       360
tgtcatgtct gaagcagaga gggtgagtga actgcacctg gaagtgaagg catcactgat
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gegggteeeg ceaagtegee etaceagetg gtgetgeage acageagget eeggggeege
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cagcacggcc ccaacgtgtg tgctgtgcag aaggttattg gcactaatag gaagtacttc
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gagtgctgtc ctggatatga aaaggtccct ggggagaagg gctgtccagc agccctacca
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gctgagccac ctgaagcagt atgaacgcag catcgtggac tacaagccca acctggacct
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gctggagcag cagcaccagc tcatccagga ggccctcatc ttcgacaaca agcacaccaa
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ctataccatg gagcacatcc gcgtgggctg ggagcagctg ctcaccacca ttgcccgcac
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catcaacgag gtggagaacc agatcctcac ccgcgacgcc aagggcatc
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<210> 181 <211> 411 <212> DNA <213> Homo sapien	
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ccgccgtcgg gttcctccgg gagtgaggcg gccgcgggag ccggggccgc cgcgccggct
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ggggtgatcg acaagaaact tcggaacctg gagaagaaaa agggtaagct tgatgattac
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                                                                       411
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                                                                       411
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caacccccac accccctcc agatcagcca tggatgccac caacaccagg cccaatggac
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attgttcctc cttctgaaga cagcaacagt caggacagtg gggaatttgc ccctgacaac
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gcagcggcgg cagcagcacc aggctctgca gcggcaaccc ccagcggctt aagccatggc
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getteteacg geatteagea geagegttge tgtaacegae aaagacacet tegaattaag
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                                                                        411
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caaggaccgc ttcaaccact tcagcttgac cctcaacacc aaccatgggc atatcctggt
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cgagggtcga gccgtgctgc acgtggctct gcggaaccgg tcaaacacac ccatcctggt
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tttcctatga ttgcattggg cggctggaag ttggaacaga gacaatcatc gacaaatcaa
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agaaggggat gccctttgac ctctgcttcc tggtgcagag ctcagatttc aaggtgatgg
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                                                                       420
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tetecgteaa tggetetgtg cagetgteet acateagett ceageeteee ggegtgtgge
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cccaatgccc cccacaggca ttctactccc cagtacctct tagggtggga gaaatggtga
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<212> PRT

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acaagcgtgc aaaacaattc aatggaagaa taagctttca aaaaaatggc gttggagcaa
                                                                       360
ccggacatcc ataggaaaaa atgaacccat acctaaacca taaaccttat ataaaaataa
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acacaaaatg aatcataggc ttaaatgtaa gctataaaac ttttagagaa aaacac
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tggtgatete tggtgcagga aaaatgttea etgeaggtat tgacetgatg gacatggett
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cqqacatcct qcaqcccaaa qqaqatgatq tqqcccgqat caqctgqtac ctccqtgaca
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tcatcactcg ataccaggag accttcaacg tcatcgagag gtgccccaag cccgtgattg
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ctgccgtcca tgggggctgc attggcggag gtgtggacct tgtcaccgcc tgtgacatcc
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ggtactgtgc ccaggatgct ttcttccagg tgaaggaggt ggacgtgggt ttggctgccc
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Ser His Ser Ser Phe Thr Met Pro Gly Ser Leu Pro Leu Asn Ala Glu
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Ala Cys Trp Pro Lys Asp Val Gly Ile Val Ala Leu Glu Ile Tyr Phe
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Pro Ser Gln Tyr Val Asp Gln Ala Glu Leu Glu Lys Tyr Asp Gly Val
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Asp Ala Gly Lys Tyr Thr Ile Gly Leu Gly Gln Ala Lys Met Gly Phe
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Cys Thr Asp Arg Glu Asp Ile Asn Ser Leu Cys Met Thr Val Val Gln
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            100
Asn Leu Met Glu Arg Asn Asn Leu Ser Tyr Asp Cys Ile Gly Arg Leu
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Glu Val Gly Thr Glu Thr Ile Ile Asp Lys Ser Lys Ser Val Lys Thr
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Asn Leu Met Gln Leu Phe Glu Glu Ser Gly Asn Thr Asp Ile Glu Gly
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<210> 200

<211> 132

<212> PRT

<213> Homo sapien

<400> 200

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<211> 120

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## <213> Homo sapien

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Val Asn Pro Gly Lys Leu Asp Val Glu Gly Arg Ser Val Phe His Val
Val Thr Ser Lys Gly Asn Leu Glu Cys Leu Asn Ala Ile Leu Ile His
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                                105
Gly Val Asp Ile Thr Thr Ser Asp Thr Ala Gly Arg Asn Ala Leu His
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Leu Ala Ala Lys Tyr Gly His
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Asn Lys Ile Ser Arg Asp Ala Asp Cys Arg Ala Val Val Ile Ser Gly
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Ala Gly Lys Met Phe Thr Ala Gly Ile Asp Leu Met Asp Met Ala Ser
Asp Ile Leu Gln Pro Lys Gly Asp Asp Val Ala Arg Ile Ser Trp Tyr
Leu Arg Asp Ile Ile Thr Arg Tyr Gln Glu Thr Phe Asn Val Ile Glu
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Arg Cys Pro Lys Pro Val Ile Ala Ala Val His Gly Gly Cys Ile Gly
                            120
Gly Gly Val Asp Leu Val Thr Ala Cys Asp Ile Arg Tyr Cys Ala Gln
                        135
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tatcttatat cgtagatctg ataaccctat ctaaaagaaa gtcacacgct aaatgtattc

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120

180

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                                                                     240
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caagttecta attgaaatac aaaacagaac aaaaagetgt gagaaatett ttttttett
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tggctcctta aagacttgga ataatttata ttagtgttgc atacatttta ccttctacat
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                                                                     480
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aaaaagggag aaatattaat cagaaagttg attcttatga taatatggaa aagttaacca
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                                                                     180
                                                                     240
tcccaaacat cttatgaaaa agtatacaac tctacttcaa aatatgctat ttactcactg
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aaacaataca caaataaaaa ttatgaggtt acgaatacac atccagtttc gaatccaatt
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tctttt
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      <211> 403
      <212> DNA
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caataaacct aattatggaa cagaaatttg cattctgttt ccagtgctac tacactccta
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ctttctcaaa agtctgctct attaatatca gctcagtgca gtttactatg aatagtttat
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agactggggg aaaacccaga aacatacaga gaaaaggaaa gcatcatcaa atatatgtta
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ttaaaggcat gtgtggcttc taatgatatt gaaggcattg tgtgcctcac ggctgctgtg
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cctggactat tgaaatcaag cttattggat taagtgatat ttctatagcg attgaaaggg
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caatagttaa agtaatgagc atgatgagag tttctgttaa tcatgtatta aaactgattt
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                                                                       360
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tgttttttaa tgttaatttt tctagaaagc atctgaattg actaggcttt tcctatataa
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caatcaagct aaatgaatgc tggtgttatc acaacagtgc tcatttatga aacaa
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                                                                       120
gattggctct gttctgctgc gggaactgaa gcctgtcctg tctcaggggt aacctgctta
                                                                       180
                                                                       240
catctggact ttagaatctg gcacacaaca aaagtgcctg gcatccacta ctgctgcctt
tcatttataa taatagccct tccatctggc agtgggggaa gaatacactc ttgacattct
                                                                       300
tgtctcctgc tttagaatgc tagtgtgtat ctatcatgta tgcaatactt tccccctttt
                                                                       360
                                                                       397
tgctttgcta accaaagagc atatatttta ctgtcag
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      <211> 508
      <212> DNA
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cgaggagtcg cttaagtgcg aggacctcaa agtgggacaa tatatttgta aagatccaaa
                                                                        60
aataaatgac gctacgcaag aaccagttaa ctgtacaaac tacacagctc atgtttcctg
                                                                       120
                                                                       180
ttttccagca cccaacataa cttgtaagga ttccagtggc aatgaaacac attttactgg
gaacgaagtt ggttttttca agcccatatc ttgccgaaat gtaaatggct attcctacaa
                                                                       240
agtggcagtc gcattgtctc tttttcttgg atggttggga gcagatcgat tttaccttgg
                                                                       300
ataccetgct ttgggtttgt taaagttttg cactgtaggg ttttgtggaa ttgggagect
                                                                       360
aattgatttc attcttattt caatgcagat tgttggacct tcagatggaa gtagttacat
                                                                       420
                                                                       480
tatagattac tatggaacca gacttacaag actgagtatt actaatgaaa catttagaaa
                                                                       508
aacgcaatta tatccataaa tatttttt
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      <211> 358
      <212> DNA
      <213> Homo sapien
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gatttgcaag atgggaaata tagtagttta tgaatgtaaa ttaaattcca gttataatag
                                                                       120
tggctacaca ctctcactac acacacagac cccacagtcc tatatgccac aaacacattt
                                                                       180
ccataacttg aaaatgagta ttttgcatat ctcagttcag gatatgtttt ttacaagtta
                                                                       240
                                                                       300
atcctaaagt cataaagcaa gaagctattc atagtacaag attttatttg ctaagcttta
                                                                       358
caaattaaac tctaaaaaat tattacaatg atactgaaag atattttatt ggcctttt
      <210> 235
      <211> 482
      <212> DNA
      <213> Homo sapien
      <400> 235
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gtctagggtg tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa
                                                                       180
tacagctcct attgatagga catagtggaa gtgagctaca acgtagtacg tgtcgtgtag
                                                                       240
tacgatgtct agtgatgagt ttgctaatac aatgccagtc aggccaccta cggtgaaaag
aaagatgaat cctagggctc agagcactgc agcagatcat ttcatattgc ttccgtggag
                                                                       300
```

tgtggcgagt cagctaaata ctttgacgcc ggtggggata gcgatgatta tggtagcgga ggtgaaatat gctcgtgtgt ctacgtctat tcctactgta aatatatggt gtgctcacac gataaaccct aggaagccaa ttgatatcat agctcagacc atacctatgt atccaaatgg tt	360 420 480 482
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<210> 237 <211> 391 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 237 gaagctaaat ccaaagaaat atgaaggtgg ccgtgaatta agtgattta ttagctatct acaaagagaa gctacaaacc cccctgtaat tcaagaagaa aaacccaaga agaagaagaa ggcacaggag gatctctaaa gcagtagcca aacaccactt tgtaaaagga ctcttccatc agagatggga aaaccattgg ggaggactag gacccatatg ggaattatta cctctcaggg ccgagaggac agaatggata taatctgaat cctgttaaat tttctctaaa ctgtttctta gctgcactgt ttatggaaat accaggacca gtttatgtt gtggttttgg gaaaaattat ttgtgttggg ggaaatgttg tgggggtggg g</pre>	60 120 180 240 300 360 391
<210> 238 <211> 374 <212> DNA <213> Homo sapien	
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<210> 239 <211> 200 <212> DNA <213> Homo sapien	
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      <221> misc feature
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      <223> n = A, T, C or G
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                                                                       120
acatatncca natagntttt gatcaaaaac atgaaatana tccacctgct tattttaagc
atattaaaaa ggaaactaat tggaccattt tctatttgtc tattttatac aaaaaggcta
                                                                       180
                                                                       240
cacaattgat acactctatt cagataacaa tcaattagag tgantatgaa ttactggcga
caccatcact caattcttaa aaattagaaa ttgctgtagc agtattcact ataacttaac
                                                                       300
actaccgaga gact
                                                                       314
      <210> 241
      <211> 375
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(375)
      <223> n = A, T, C or G
      <400> 241
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tttggtggtt ggatcatttg aagtggtgtc tacacttata aaactgtttg gtgtgttttg
                                                                       120
qqctqcctac aqtqctqctt cattqttaqt qqqtqaaqaa ttcaaqacca aaaaqcctct
                                                                       180
                                                                       240
tctgatttat ccaatctttt tattatacat ttatcttttg tcgttatata ctggtgtgtg
atccaagtta tacatgaata gaaaaagatg gtgttaaatt tgtgtgtagg ctgggaattc
                                                                       300
tngctaaagg aatggnaaaa aacctgtnnt tgnaaaattn acntgtccca aagnnaagga
                                                                       360
                                                                       375
anctaaacgc ttttt
      <210> 242
      <211> 387
      <212> DNA
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tcaatttcac accetttcat tctcataagc cccaaatttt gctcagttaa ggagcttgct
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ttaggcccac ctatgtaagt ctgttatact agctaatgtg cccatttgaa tagttcaagg
                                                                       180
qtcaqctaat qctctgaqct tcatggctcc agtataaaga acaaatttaa caaaattaag
                                                                       240
ctgttactgt agccgagtta cccttctgct ccacacatat gtagtgggat cttgcaggat
                                                                       300
ttccatagtg ccaattatca aaggccttga ctacttagca ttgctgtatt acagatgtgc
                                                                       360
                                                                       387
aaactgaggc actgaaaagt caaattt
      <210> 243
      <211> 536
      <212> DNA
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<213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(536)
      <223> n = A, T, C or G
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catattttgc cacatgtgag agtacggtca agcagtattt acaaaaaggt taacggaaca
                                                                       120
acactetgae acatgetetg agaatactgg gactgetgtt teaaaaaaaa aggtteaaae
                                                                       180
ttattqtcac aqcatcatca caaaataqaq qatcaccatt qqtttqcttq qcttttcttt
                                                                       240
ttttttttcc cccaagtgag gacctaactc caaataatac aatagaatat gcaaattatc
                                                                       300
ttcacatcaa gagtacccca agaaaaacga aatccatggc acanacactg tacaagggtg
                                                                       360
cagggcaggg ctctgagggg cccaaacccc attttgccaa ctcgattttc tagcattgaa
                                                                       420
gggagcaagg ggtcaggcat atgatggaga tgatactgaa atgatttatc caaaatccat
                                                                       480
gcaaatcaag ttctttggat agaggtgaan aacttggaca tggctgtttc aggcag
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      <211> 397
      <212> DNA
      <213> Homo sapien
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cacagtggaa ctgaaggaag gctctacagc ccagcttatc ataaacactg agaaaactgt
gattggctct gttctgctgc gggaactgaa gcctgtcctg tctcaggggt aacctgctta
                                                                       180
                                                                       240
catctggact ttagaatctg gcacacaaca aaagtgcctg gcatccacta ctgctgcctt
                                                                       300
tcatttataa taatagccct tccatctggc agtgggggaa gaatacactc ttgacattct
tgtctcctgc tttaqaatgc tagtgtgtat ctatcatgta tgcaatactt tccccctttt
                                                                       360
tgctttgcta accaaagagc atatatttta ctgtcag
                                                                       397
      <210> 245
      <211> 508
      <212> DNA
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      <400> 245
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                                                                       120
aataaatgac gctacgcaag aaccagttaa ctgtacaaac tacacagctc atgtttcctg
                                                                       180
ttttccagca cccaacataa cttgtaagga ttccagtggc aatgaaacac attttactgg
gaacgaagtt ggttttttca agcccatatc ttgccgaaat gtaaatggct attcctacaa
                                                                       240
                                                                       300
agtggcagtc gcattgtctc tttttcttgg atggttggga gcagatcgat tttaccttgg
                                                                       360
ataccctgct ttgggtttgt taaagttttg cactgtaggg ttttgtggaa ttgggagcct
                                                                       420
aattqatttc attcttattt caatqcaqat tgttgqacct tcaqatqqaa qtaqttacat
tatagattac tatggaacca gacttacaag actgagtatt actaatgaaa catttagaaa
                                                                       480
                                                                       508
aacqcaatta tatccataaa tattttt
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      <211> 358
      <212> DNA
      <213> Homo sapien
      <400> 246
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gatttgcaag atgggaaata tagtagttta tgaatgtaaa ttaaattcca gttataatag
                                                                       120
tggctacaca ctctcactac acacacagac cccacagtcc tatatgccac aaacacattt
                                                                       180
ccataacttg aaaatgagta ttttgcatat ctcagttcag gatatgtttt ttacaagtta
                                                                       240
                                                                       300
atcctaaagt cataaagcaa gaagctattc atagtacaag attttatttg ctaagcttta
caaattaaac tctaaaaaat tattacaatg atactgaaag atattttatt ggcctttt
                                                                       358
      <210> 247
      <211> 673
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(673)
      <223> n = A, T, C or G
      <400> 247
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gtctagggtg tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa
                                                                       180
tacageteet attgatagga catagtggaa gtgagetaca aegtagtaeg tgtegtgtag
tacgatgtct agtgatgagt ttgctaatac aatgccagtc aggccaccta cggtgaaaag
                                                                       240
aaagatgaat cctagggctc agagcactgc agcagatcat ttcatattgc ttccgtggag
                                                                       300
                                                                       360
tgtggcgagt cagctaaata ctttgacgcc ggtggggata gcgatgatta tggtagcgga
                                                                       420
ggtgaaatat gctcgtgtgt ctacgtctat tcctactgta aatatatggt gtgctcacac
                                                                       480
gataaaccct aggaagccaa ttgatatcat agctcagacc atacctatgt atccaaatgg
ttctttttt ccggagtagt aagttacaat atgggagatt attccgaagc ctggtaggat
                                                                       540
aagaatataa acttcagggt gaccgaaaaa tcagaatagg tgttggtata gaatggggtc
                                                                       600
tectneteeg eggggtenaa gaaggtggtg ttgangttge eggnetgtta ntagtatagn
                                                                       660
gatgccanca gct
                                                                       673
      <210> 248
      <211> 149
      <212> DNA
      <213> Homo sapien
      <400> 248
cctcttcatt gttcacatgt cacaggagga ggctctgagc aaaggccact ggcaagttag
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ggcaacacca agaaggctct gcggagagac tccctgtggg ttggggcctg gcaggaacgg
                                                                       120
tgcctgtgga ctgtttatgg tctgtccag
                                                                       149
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      <211> 458
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(458)
      <223> n = A, T, C or G
      <400> 249
gaagctaaat ccaaagaaat atgaaggtgg ccgtgaatta agtgatttta ttagctatct
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acaaagagaa gctacaaacc cccctgtaat tcaagaagaa aaacccaaga agaagaagaa
                                                                       120
```

```
ggcacaggag gatctctaaa gcagtagcca aacaccactt tgtaaaagga ctcttccatc
                                                                     180
agagatggga aaaccattgg ggaggactag gacccatatg ggaattatta cctctcaggg
                                                                     240
ccgagaggac agaatggata taatctgaat cctgttaaat tttctctaaa ctgtttctta
                                                                     300
gctgcactgt ttatggaaat accaggacca gtttatgttt gtggttttgg gaaaaattat
                                                                     360
                                                                     420
ttgtgttggg ggaaatgttg tgggggtggg gttgagttgg gggtattttc taatttttt
                                                                     458
tgtacatttg gaacagtgac aataaatgan accccttt
     <210> 250
     <211> 374
     <212> DNA
     <213> Homo sapien
     <400> 250
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atcataaact cataaaaata attttaagat gccggaaaag gatactttga ttaaataaaa
                                                                     180
acactcatgg atatgtaaaa actgtcaaga ttaaaattta atagtttcat ttatttgtta
ttttatttgt aagaaatagt gatgaacaaa gatccttttt catactgata cctggttgta
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tattatttga tgcaacagtt ttctgaaatg atatttcaaa ttgcatcaag aaattaaaat
                                                                     300
catctatctq aqtaqtcaaa atacaaqtaa aqqaqaqcaa ataaacaaca tttggaaaaa
                                                                     360
                                                                     374
aaaaaaaaa aaaa
     <210> 251
     <211> 356
     <212> DNA
     <213> Homo sapien
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tqttctqqqt qataattttq aattqatacc tqttcctttt tctqggtttt gttggctttt
                                                                     180
tgaaaaattg tctttcctta tcattggtgg gaggcttggt agcaaagtaa cattttttgg
                                                                     240
aaaaqaqqac aqaaaaattq aactacaqct tqaqaacqta ttcttttttt cctactttgt
                                                                     300
tattqcaaat tqaqqaatca cttttaactq ttttaqqtqt qtqtqtccag aqtqaqcaag
                                                                     356
gattatgttt ttggattgtc aaagaggatg cttagtctta aaataaaaat aaattt
     <210> 252
     <211> 484
     <212> DNA
     <213> Homo sapien
     <400> 252
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                                                                     120
acatatecea aatagttttt gateaaaaac atgaaataga teeacetget tattttaage
                                                                     180
atattaaaaa ggaaactaat tggaccattt tctatttgtc tattttatac aaaaaggcta
                                                                     240
cacaattgtt acactttatt cagattacaa ttaattagag tgattatgaa ttagtgttct
                                                                     300
acaccattac tcaattctta aaaattagaa attgctgtag cagtattcac tataacttaa
                                                                     360
cactacgaga gacttaaaaa acagttactg caaaaaaaaa aaagagctac ttcaaagcaa
                                                                     420
480
agggtttgat aaattccatc ttgtgatcca ttcttgtgca ttcttcactt cttgagtcac
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tccc
     <210> 253
     <211> 379
     <212> DNA
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<213> Homo sapien

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<400> 253
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totocaatto ottoagoaag aattocoago otacacacaa atttaacaco atottttot
                                                                        120
attcatgtat aacttggatc acacaccagt atataacgac aaaagataaa tgtataataa
                                                                        180
aaagattgga taaatcagaa gaggcttttt ggtcttgaat tcttcaccca ctaacaatga
                                                                        240
                                                                        300
agcagcactg taggcagccc aaaacacacc aaacagtttt ataagtgtag acaccacttc
aaatgatcca accaccaaaa gtacaggggc tattacaatg agaggaagta atgaatatcc
                                                                        360
tataactcca aggacttgg
                                                                        379
      <210> 254
      <211> 387
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(387)
      <223> n = A, T, C or G
      <400> 254
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                                                                         60
aggcenttga taattggeac tatggaaate etgeaagate eeactacata tgtgtggage
                                                                        120
agaagggtaa ctcggctaca gtaacagctt aattttgtta aatttgttct ttatactgga
                                                                        180
gccatgaagc tcagagcatt agctgaccct tgaactattc aaatgggcac attagctagt
                                                                        240
ataacagact tacataggtg ggcctaaagc aagctcctta actgagcaaa atttggggct
                                                                        300
tatgagaatg aaagggtgtg aaattgacta acagacaaat catacatctc agtttctcaa
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ttctcatgta aatcagagaa tgccttt
                                                                        387
      <210> 255
      <211> 225
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(225)
      <223> n = A, T, C or G
      <400> 255
aaatgtcttg tttcccagat ttcaggaaan tttttttctt ttaagctatc cacagcttac
                                                                         60
agcacctttg ataaaatata cttttgtgaa caaaaattga gacatttaca ttttctccct
                                                                        120
atgtggtcgc tccagacttg ggaaactatt catgaatatt tatattgtat ggtaatatag
                                                                        180
ttattgcaca agttcaataa aaatctgctc tttgtatgac agaat
                                                                        225
      <210> 256
      <211> 544
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(544)
      <223> n = A, T, C or G
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ccttqcttaa agcccagaag tggtttaggc ntttggaaaa tctggttcac atcataaaga
                                                                        60
acttgatttg aaatgttttc tatagaaaca agtgctaagt gtaccgtatt atacttgatg
                                                                       120
ttggtcattt ctcagtccta tttctcagtt ctattatttt agaacctagt cagttcttta
                                                                       180
                                                                       240
agattataac tggtcctaca ttaaaataat gcttctcgat gtcagatttt acctgtttgc
tgctgagaac atctctgcct aatttaccaa agccagacct tcagttcaac atgcttcctt
                                                                       300
agcttttcat agttgtctga catttccatg aaaacaaagg aaccaacttt gttttaacca
                                                                       360
                                                                       420
aactttgttt ggttacagtt ttcaggggag cgtttcttcc atgacacaca gcaacatccc
                                                                       480
aaaqaaataa acaaqtqtqa caaanaaaaa aacaaaccta aatqctactq ttccaaaqaq
                                                                       540
caacttgatq qtttttttta atactqaqtq caaaaqqnca cccaaattcc tatqatqaaa
                                                                       544
tttt
      <210> 257
      <211> 420
      <212> DNA
      <213> Homo sapien
      <400> 257
aaatgtettg ttteecagat tteaggaaac ttttttett ttaagetate cacagettae
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agcaatttga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta
                                                                       120
                                                                       180
tgtggtcgct ccagacttgg gaaactattc atgaatattt atattgtatg gtaatatagt
                                                                       240
tattgcacaa gttcaataaa aatctgctct ttgtatgaca gaatacattt gaaaacattg
                                                                       300
gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat
aaacccacag gtactacaaa caaagtctga agtcagcctt ggtttggctt cctagtgtca
                                                                       360
attaaacttc taaaagttta atctgagatt ccttataaaa acttccagca aagcaacttt
                                                                       420
      <210> 258
      <211> 736
      <212> DNA
      <213> Homo sapien
      <400> 258
                                                                        60
aaacaaaatg ctaaacctaa aaacattgtt ctgtcagttc ccaaattaaa tctacttaga
                                                                       120
acaaaaacaa aaatttatag ctcggtcaca tactacttaa ataatattgt tcaggcatct
ctaaaatcct ccatgttttc aagtatggaa atagaactca aatattccac aatacagtac
                                                                       180
                                                                       240
taaacagatg gagtatttag gaaagacttt gttgtcatat ggcacaatat taatattttg
ttgcttcaat acgttttgaa ataaatatca gatttttgtt tttttttcct aaaagaccaa
                                                                       300
                                                                       360
aattataatc tacattaaga taattctgac tgtggttaag acttaagagt gtaaaataca
                                                                       420
acatcaatat tttatcacaa aagtaaagct ggtaacaaat tataaaagga gccagtactc
                                                                       480
tactgagaca ggctcggaga ttaaagctca tcatgataga aatagtcatc atggagctgt
                                                                       540
ctgccataat ctgtggcttc actggtgaga aacaagtccg ggttttccag aatctcttct
                                                                       600
tcagagaget ttttgtcacc attcaaatcc atttcatcaa ttagatgaag cgcctcctct
                                                                       660
tgtgcaatgc cctgattatt aggtctaccc aaggtaacag ctcttgggga tcaagcctgc
                                                                       720
categitate titigicataa teatteaceg aatetgiett teteacaagt ateceattet
                                                                       736
ggatcttcat ttgcag
      <210> 259
      <211> 437
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
```

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<222> (1)...(437)
      <223> n = A, T, C or G
      <400> 259
aaaaccatac tgaaatcatt taccaaataa cnaagatctt aatctaaaag atagtgaata
                                                                         60
catcatcatc atgaaatctg gttttatgtg ctctatgaag tacttggaga attgcttttt
                                                                        120
tatttttctt ttgctttatt aggtcacaca aaacagaatg aattagcaga aaaatgtatg
                                                                        180
ttataaaaca gcatttacta cttcaattta attttttta ctaacaattg tggacctttt
                                                                       240
tgatgacact tatgtatgtt tttaataaat tatgtactta ttagtactta atgaqccctt
                                                                        300
cctgcctcaa tataaaatta ctaaacttgq agaattacaq attttattgt aggccctgat
                                                                        360
gttagtcact ttggagaagc taaaaatttg gaaatgatgt aattcccact qtaatagcat
                                                                        420
agggattttg gaagcag
                                                                        437
      <210> 260
      <211> 592
      <212> DNA
      <213> Homo sapien
      <400> 260
ttttttttt gaaaaatata aaattttaat aaaggctaca tctcttaatt acaataatta
                                                                        60
ttgtaccaag taattttcct taaatgaact ctttataatg cataatttac agtataagta
                                                                       120
gaacaaaatg tcatgacaaa agtcattgag tacaagactt gtaataaaaa ggcataaaat
                                                                       180
atatttatac ataaacccct ttcaaaaaac aagggaaagc ttgagccctc aatatagggc
                                                                       240
gacacacgga gcgggtgacc gtgcaggtac aggtactgta ctgatttaaa gtcaagcact
                                                                       300
agagatagtg gattaatact cttttgccgt acactatata cagatgtata gtacaagtaa
                                                                       360
caatggcaaa cagaatgtac agattaactt aacacaaaaa cccqaacatc aaaatgaaqq
                                                                       420
tgtgtggagg aaaggtgctg ctgggtctcc ctacaactgt tcatttcttt gtggggcagg
                                                                       480
gggtagttcc tgaatggctg tggtccaatg actaatgtaa aacaaaaaca qaaacaaaaa
                                                                       540
aaacaaggaa ctgtcatttc cacgaaagca cagcggcagt gattctagca gg
                                                                       592
      <210> 261
      <211> 450
      <212> DNA
      <213> Homo sapien
      <400> 261
gtggcagggc ccagccccga accagacaag ggacccctca aggagcttca ttctagcatg
                                                                        60
agaaaattga gaagtaaacc agaaagttac agaatqtctg aaggggacag tqtqqqaqaa
                                                                       120
tccgtccatg ggaaaccttc ggtggtgtac agatttttca caagacttqq acaqatttat
                                                                       180
cagtcctggc tagacaagtc cacaccctac acggctgtgc gatgggtcgt gacactgggc
                                                                       240
ctgagctttg tctacatgat tcgagtttac ctgctgcagg gttggtacat tgtgacctat
                                                                       300
gccttgggga tctaccatct aaatcttttc atagcttttc tttctcccaa agtggatcct
                                                                       360
teettaatgg aagaeteaga tgaeggteet tegetaeeea eeaaacagaa egaggaatte
                                                                       420
cgccccttca ttcgaaggct cccagagttt
                                                                       450
      <210> 262
      <211> 239
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(239)
      <223> n = A, T, C or G
```

```
<400> 262
taactttgat gacaaaatct aaaattaaag anttagtctt aaaagcctat agtgacttgt
                                                                         60
ttacttgcat aaataatatt ttcacttagt acaggctatt aatataagta atgagaattt
                                                                        120
                                                                       180
aagtattaac tcaaaaaaag atagaggctc caaacttttc taagaaatta atgcattttc
aaagtaataa tataatcaat ctgtaagtca aaagtaattt catattcatt gccaaattt
                                                                       239
      <210> 263
      <211> 376
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(376)
      <223> n = A, T, C or G
      <400> 263
aaaaaaaaa aaaaaaaatt ccttgtngtt tnttagagga aaaaaagaaa aaccccaact
                                                                         60
tttancactg atactacata ttgctctgtt aaagaatttt ctctgccaaa aaaaagaaaa
                                                                       120
aacaaaaaaa cgcttaaagc tggagtttga cattctgctt tcagatgctg tctttttatt
                                                                       180
                                                                       240
agtgagtgat gatggtttgc taataatcaa taggtaataa ttttttgtaa tcccatcaag
                                                                       300
tggctccata tgtttctgct ctctcgtgac tgtgttaatg tttaactgtt gtaccttaaa
gccgaaatca gtaactatgc atactgtaac caaggtattg ggcttacaga gttgtttgtt
                                                                        360
gnataaagaa aatttt
                                                                       376
      <210> 264
      <211> 207
      <212> DNA
      <213> Homo sapien
      <400> 264
aaattagcat tocacaaata tacaggtaat ttaataatta ttgtgcatga atacatacac
                                                                        60
aatgettata tatacaaatt eeagtttgtt tteatgtget ggeaagggat ttgtatacaa
                                                                       120
tcataagctg tgttcatatt ggtcccattg aatattcaca atacaaaagc acaaaagaac
                                                                       180
                                                                       207
cattgattta caaaaggaaa tctattt
      <210> 265
      <211> 388
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(388)
      <223> n = A, T, C or G
      <400> 265
naactgcact ttatttgtta ctgtaacatt nttttttaac tgatcaacca taagcatgca
                                                                         60
aaagncenet gaaactgett ceaetgeetg ttgtatagaa atgggtaaat tataaaggtg
                                                                       120
attcaatttg gagctccttc cttttttata gcacttctaa gctgtgtgcg cgacacacac
                                                                       180
                                                                       240
cacagaggta ggaaggacca cctttaataa attatcttct taatcgcaga gaatttctga
                                                                       300
agataaaact gacaaaatgc taaaccaagg ctttgatgag tcccaaagga ccacagatcc
                                                                       360
atcggctcct atttgaagaa ttcatcccct gtagtgttct agcctttgta gggcactgga
```

```
388
ttacaagatc caccagggct ctgaacaa
      <210> 266
      <211> 616
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(616)
      <223> n = A, T, C or G
      <400> 266
aaatacaqaq tcaaaaqatq atttataaaa tntaaaacat tttctqcttq gccqtatttq
                                                                        60
aaqacaaqct qaatacatat ctatqttctq aataagtcca ctatqqatat atataqqaaq
                                                                       120
agatatacat atatccatcc acagatacac acacacatat atatttctgc atgtatatat
                                                                       180
acataattct ttctatagtt acaggaaata cttcttctat aattctgatt ttgactccca
                                                                       240
tectecacea tttacteate cacteattae ctaaatettg getttette etatattgta
                                                                       300
aataatccat ccaaacttct agccagtact gtcaggaggg ttcttgctcg agtgagctgt
                                                                       360
taatactatt ttccactgac aacttctgca catcgaggac acagtgtatc tgaagactcc
                                                                       420
gctgtatact tccaacaacg ggggcatttt tctttcgtag tcggcatgac aattacttta
                                                                       480
taggaagact cttcacgaat atcaccacct tctaagttga tgaggaattt ccctttaagc
                                                                       540
togattacat otgcagtoat ototogtggt tootgaccag taaagttgac toagaagcoa
                                                                       600
tcattaattc attcaa
                                                                      616
      <210> 267
      <211> 341
      <212> DNA
      <213> Homo sapien
      <400> 267
ccattatgta tgtattttct tgaaaaatac ttatttcagc tacttatttt taatagttac
                                                                        60
                                                                       120
ttattcttqt tqtattqtca tttqaqtttt qtatatattt ttqatattaa ccccttqtca
catgtataat ttgcaaatat tttctccctt tttttagttg tcacattctg ttcattgtat
                                                                       180
cagattctgt gcagcagctt tttaatttga agtgatctga ctgacttgtt cttccttttg
                                                                       240
tgtcctggga tatttaggtt aaatcaaaaa acttgctgcc cagaccaatg ttatggggct
                                                                       300
ttcactctat tttttggtag tagtagttta agagttttag g
                                                                       341
      <210> 268
      <211> 367
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(367)
      <223> n = A, T, C or G
      <400> 268
                                                                        60
ttgtagattg gaatagcaaa agtgaatgct ntgaccaaaa tttttgccct cctaaataaa
                                                                       120
qacqtntcct tctaqaqaqc aaatctatca taaaatqtca aaactaqaaq agaataaaat
qaaaqqaaaa aacctaqaaa aatatcctaa aatatcaaat qcaqtcattt ctaaatataa
                                                                       180
gccataatta tagctttacc tattgttctt attgttccta tgctgcttct acaatgttac
                                                                       240
atcaactata cttagcttta ctctcccaaa atcttggtga tgaagccttc tgagtgtgct
                                                                       300
```

```
ttccaatgtg ccagaaccag aagggcattc caaggcttcc ccacatttcc tccatttacg
                                                                        360
gagacag
                                                                        367
      <210> 269
      <211> 270
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(270)
      <223> n = A, T, C or G
      <400> 269
caaatctctc cctcactaga cgtaagccnt ttnctcactc tctcaatctt atgcatcata
                                                                         60
gnaangengn tgaggtggat taaaccaaac ccagctacgc aaaatcttag catactcctc
                                                                        120
aattacccac ataggatgaa taatagcagt tctaccgtac aaccctaaca taaccattct
                                                                        180
taatttaact atttatatta teetaactae taeegeatee etaetaetea aettaaacte
                                                                        240
cagcaccacg accetactac tatntcgcac
                                                                        270
      <210> 270
      <211> 368
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(368)
      <223> n = A, T, C or G
      <400> 270
ctgaatcatg aataacacta tataatagag tntaaggaac acaagcatta gatgtgatcc
                                                                         60
ttgccccata cccttagatt atgtcagact aaagctgaca attctgccag gctctgaacc
                                                                        120
cctagtgccc ccaacccaaa tcttggaagc aaagaatatg ccctgtcata caactttgta
                                                                        180
caagttgtag taaaacaaag cttaagtttt ctcatctttc tacagcaaat gqtcaqttat
                                                                        240
ttaataaaca ctaaaatgct cctaagaatc cattttgagt ttgtttacca aacacattgt
                                                                        300
gcaagaactg actacacaaa aagttccttt gaaatttggt ccacaaattc acttaaggtt
                                                                        360
ggaaattt
                                                                        368
      <210> 271
      <211> 313
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(313)
      <223> n = A, T, C or G
      <400> 271
aaatttatat aaaactctgt acatgttcac tttattattg cataaacagc ataatcttca
                                                                         60
agacaanngt ttgcaaacac atgtccaatt caggaaaaaa aatttcacgt ttctcqtctq
                                                                        120
gcttttttct tctttttat ttgtttggga gattcccagc tagtttcaga cttggtctgt
                                                                        180
gaaggaggca cactattttg cttggtattt gacttggatt tatctgtctc ttgtagtatt
                                                                        240
```

```
ggcggcactt gggaagagct cttgtcagaa tcactttttg ataagattac agatggctcg
                                                                       300
                                                                       313
gtagaagtag cag
      <210> 272
      <211> 462
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(462)
      <223> n = A, T, C or G
      <400> 272
aaaaaacatt tattttaata agactattgc naacacatta aaaaaactaa atagtaatat
                                                                         60
tacaaaatct atatacttgc acatttagta tttgtcaatg tgccagaggt tttcttcatg
                                                                       120
aaatttgact totttgaagt gaaggotttt ttotatcato tottatagot otgactgaat
                                                                       180
aagtottaat gotttottoa tgttttotat caataggggt aaatocogag gotoatatgt
                                                                       240
                                                                       300
gtacaatctg ttagagtatc ttccagctat gtcagctcta actgttaaag aagggtctac
aaacatgatt ctaggcacat attgcccatc aggtgataaa ttcttatcag tggtttcatg
                                                                       360
                                                                       420
cataaggttt agcatgatga acttattctg agccatttct tgtatttctt cattttgggc
aaatactttc tttagtgctt gagagtattg acaatcctcc ag
                                                                       462
      <210> 273
      <211> 282
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(282)
      <223> n = A,T,C or G
      <400> 273
ctgatcaaag catgggatat tttaatagtn ttatacataa tatttttaca tagaaaactt
                                                                         60
tacatnncat ttcatattat ataattctgc ttattctttc aaaaatttat acatccattg
                                                                       120
ggcaaggaat ggttttcatt aaattaccaa tattaaatgc acttaatcat tgtgtatagg
                                                                       180
ttaaaccaaa gtaactatta actaactttt aggcatttta aggaggtaaa acatacattt
                                                                       240
tacacataag tatttgatgc aaatatgcag ataaaatttt tt
                                                                       282
      <210> 274
      <211> 125
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(125)
      <223> n = A, T, C or G
      <400> 274
cagocotaga cotoaactao otaaccaacn tinottaaaa taaaatooco actatgoaca
                                                                         60
ttnaatcnct ccaacatact cggattctac cctagcatca cacaccgcac aatcccctat
                                                                       120
                                                                       125
ctagg
```

```
<210> 275
      <211> 528
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(528)
      <223> n = A, T, C or G
      <400> 275
aaagctgtgg aaaagcttta ttatagattt ttntacagaa ttaaaaaagt tcaaacaata
                                                                         60
ataagccngg aaccacaaat aattaaaagg aaacacagca atcccataaa caagcattct
                                                                       120
ggcatctgtt agaaattttc cctcaaatta tgaaatgtag ctctccatgc tttccaatga
                                                                       180
ttgttataat acccacaaat atctgtgatt tcagtggaat actttaacaa aagttttctt
                                                                       240
tttaaggcat gatcctgatt cattttttct tcaatatctc agtcatttca ggaactacct
                                                                       300
taaataaatc tgcaactatt ccataatctg ccacttggaa aattggagct tctgggtctt
                                                                       360
                                                                       420
tattaattgc cacaattgtc ttgctgtctt tcatcccagc taaatgttgg atggctccag
atattccaac agcaatataa agttctggtg ctactatttt tcccgtctgn ccaacttgca
                                                                       480
                                                                       528
tgtcattggg aacaaagcca gcatcaacag cagcacggga agcaccaa
      <210> 276
      <211> 420
      <212> DNA
      <213> Homo sapien
     <220>
     <221> misc feature
      <222> (1)...(420)
      <223> n = A, T, C or G
      <400> 276
aaatgtcttg tttcccagat ttcaggaaan tttttttctt ttaagctatc cacagcttac
                                                                         60
agaaacctga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta
                                                                       120
tgtggtcgct ccagacttgg gaaactattc atgaatattt atattgtatg gtaatatagt
                                                                       180
tattgcacaa gttcaataaa aatctgctct ttgtatgaca gaatacattt gaaaacattg
                                                                       240
gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat
                                                                       300
aaacccacag gtactacaaa caaagtctga agtcagcctt ggtttggctt cctagtgtca
                                                                       360
attaaacttc taaaagttta atctgagatt ccttataaaa acttccagca aagcaacttt
                                                                       420
      <210> 277
      <211> 668
      <212> DNA
      <213> Homo sapien
     <220>
      <221> misc feature
      <222> (1)...(668)
      <223> n = A, T, C or G
      <400> 277
ccagggtggc tctgatatag cagccctggt ntattttcga tatttcagga agactggcag
                                                                        60
atngcaccag accetgaatt cttctagete etccaatece attttatece atggaaccae
                                                                       120
```

<212> DNA

```
taaaaacaaq qtctqctctq ctcctqaaqc cctatatqct qqaqatqqac aactcaatga
                                                                        180
aaatttaaag ggaaaaccct caggcctgag gtgtgtgcca ctcagagact tcacctaact
                                                                        240
                                                                        300
agagacagge aaactgcaaa ccatggtgag aaattgacga cttcacacta tggacagett
ttcccaagat gtcaaaacaa gactcctcat catgataagg ctcttacccc cttttaattt
                                                                        360
                                                                        420
gtccttgctt atgcctgcct ctttcgcttg gcaggatgat gctgtcatta gtatttcaca
                                                                        480
agaagtagct tcagagggta acttaacaga gtatcagatc tatcttgtca atcccaacgt
                                                                        540
tttacataaa ataaqagatc ctttagtgca cccagtgact gacattagca gcatctttaa
cacagoogtg tgttcaaatg tacagnggtc cttttcagag ttggacttct agactcacct
                                                                        600
                                                                        660
gttctcactc cctgttttaa ttcaacccag ccatgcaatg ccaaataata gaaattgctc
                                                                        668
cctaccaq
      <210> 278
      <211> 202
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(202)
      <223> n = A, T, C or G
      <400> 278
                                                                         60
aaattggtat cgacggcaac caggggaagn tnctaaactc ctaatctatt ctggatccaa
                                                                        120
ttngcnaagt ggggtcccat caaggttcag tggcagtgga tctgggacag atttcactct
                                                                        180
cacgatcagc agtctgcaac ccgaagattt tgcaacttac tactgtcaac agagttacat
                                                                        202
gtccccgtac acttttggac cc
      <210> 279
      <211> 694
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(694)
      <223> n = A, T, C \text{ or } G
      <400> 279
ctgtacttgg acaaaataag ttaattctat ttggttgtcc attaaagttt tatgtggcta
                                                                         60
tgnacccact ggagctaaaa attggctttt aactgtttcc aaatcagaac tagcagagga
                                                                        120
gagaagtaaa taaagccaat ggcactccct tcagaggctc aaaatggtta gattttgatg
                                                                        180
cagatttaac cttagcgagt ttcagtcagt ccatttagat gatcctgtag gttcatacaa
                                                                        240
                                                                        300
atacactgaa ccgttggttt aacttctctt ccttcctcaa agtttatgat aaagagactc
atccctqtat tqqqaqtgac tqacataagt tcagatctgc tcagagtggc tggtaaggaa
                                                                        360
                                                                        420
cacttaaggt cagtcagaaa ataatcaaac agacttctca tgtaagcacc gtgactcaca
                                                                        480
actaagacac tggctgctaa tcctggaata ccgctgtctg aattaacttt agagctgtga
                                                                        540
ttttttccta aaggaaatat ctctgccaaa gaagtttcca gacagntgct tgggagatcc
                                                                        600
ttggggaaaa ctggtctttt tgatccggtt ctttcangan taggtngaca aaagaaatnc
                                                                        660
aaaaaagnet ateecaegen tttnteaeet gggeeeageg gnneteetee nggggggggn
                                                                        694
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                                                                        120
agtctagtaa aattttgaca gtgcatatgt actgttacta aaagctttat atgaaattat
                                                                        180
taatgtgaag tttttcattt ataattcaag gaaggatttc ctgaaaacat ttcaagggat
                                                                        240
ttatgtctac atatttgtgt gtgtgtgtgt gtatatatat gtaatatgca tacacagatg
catatgtgta tatataatga aatttatgtt gctggtattt tqcatttt
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      <212> DNA
      <213> Homo sapien
      <220>
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      <223> n = A, T, C or G
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                                                                        120
                                                                        180
ctaatgttag tataagtaac atgaaaacat tctcctctgc ataagcctgc gtcagattaa
aacactgaac tgacaattaa cagcccaata tctacaatca accaacaagt cattattacc
                                                                        240
                                                                        300
ctcactgtca acccaacaca ggcatgctca taaggaaagg ttaaaaaaag taaaaggaac
teggeaaate ttacceegee tgtttaccaa aaacateace tetageatea eeagtattag
                                                                        360
                                                                        420
aggcaccgcc tgcccagtga cacatgttta acggccgcgg taccctaacc gtgcaaaggt
agcataatca cttqntcctt aattagggac ctqtatgaat ggcttcacga gggttcagct
                                                                        480
                                                                        540
gtctcttact tttaaccagt gaaattgacc tgcccgtgaa gaggcnggca tgacacagca
agacgagaag accctatgga gctttaattt attaatgcaa acagnaccta acaaacccca
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caggicctaa actiacccaa accciggca
                                                                        629
      <210> 286
      <211> 485
      <212> DNA
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ttaaaaccta tagcaatcat ttcaaatcta ttctgcaaat tgtataagaa taaagttaga
                                                                        120
attaacaatt ttattttgta caacagtgga attttctgtc atggataatg tgcttgagtc
                                                                        180
cctataatct atagacatgt gatagcaaaa gaaacaaaca aaagccagga aaacactcat
                                                                        240
tttcgccttg aatatgtaaa tgggattaat tttgtcctgt gccttatgtg gaaaggaact
                                                                        300
tetttggttt teettttttg ttetggtgga ageatgtgea ggagaeatat cateeaaaca
                                                                        360
                                                                        420
taaaccatta aaatgtttgt ggtttgcttg gctgtaattt tcaaagtagt taattgagga
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caaaqqqtaa tqcaqaaqtq ataqctttqq tttqctqaqt cttqttttaa qtqqccttqa
tattt
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                                                                        120
gtcagtccag ccttctatct tagctgcctt tggcttccgc agtgtaaacc ttgcctgccc
                                                                       180
ggaggcagga ggcccagctg gacctccgag ggccatgagc aggcagcagc catcttggcc
                                                                       240
tcaagcttgc ctttcccttg agtccctctc tcccctcggc tctagccaga ggtgtagcct
                                                                        300
gcagatctag gaagagaaga gctggggagg aggatgaagg
                                                                        340
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      <212> DNA
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                                                                        60
gacagcattc accagaacca gccttgtcaa tggatccact gagcccggag agagcaactc
                                                                       120
cgcaatttta ccttctgtct tttcagctac ccaggtgttt atgtgttttc tggacttctc
                                                                       180
tacggcgctg ataaagtcaa gctcctccat ctctgcttgg tagaattttt ggcaggaatc
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tctaaaagat gagaggaaat cacaagactt ttccccaaag agcctgttgg
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      <211> 404
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      <213> Homo sapien
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aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat
                                                                       120
accagaatct tgcacagctt ttggtgtttg gatcatagta ccattttaat atgaaatccc
                                                                       180
tgcaagttcc ttcgtctttc ggcaacttgc atatatctgt ttcagtgaga gccaatggtt
                                                                       240
ctgtgctcac cattagattg atggttgaac tagaagctga ccttgctggc tgtggaggtg
                                                                       300
ggggctgaga tttctttgta ctgaaacttc cgtggtaggt ggctctgacc tgagacctca
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ggtagcagac cacagccaca tggtatgtct gcccagcgag cagg
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                                                                       120
cctccatcca gttgttgaag ggtgcagccc gcttggcata ctccaagtac agctggtcaa
                                                                       180
tggtctccag cagtttctcg gtccgctcca gagcttccct tcgcttctga gttagggcc
                                                                       240
ccagattgtc ccactggtca cagatetttt ggcaacgggc gttgacactg ggtgagtcat
                                                                       300
aatantccag ctcattgagc tcctgtgcga tggcggcaat ctgctccaca cggtcctggt
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gggcagccag gccactctcg aagg	384
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<210> 292 <211> 177 <212> DNA <213> Homo sapien	
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<210> 293 <211> 403 <212> DNA <213> Homo sapien	
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<220> <221> misc_feature <222> (1)(305) <223> n = A,T,C or G	
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accca
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      <211> 397
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(397)
      <223> n = A, T, C or G
      <400> 295
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caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat
                                                                     120
180
                                                                     240
cctgttattg gtagttctga acgttagata ttttttttcc atggggtcaa aaggtaccta
agtatatgat tgccgagtgg aaaaataggg gacagaaatc aggtattggc agtttttcca
                                                                     300
tttncatttg tgggngaatt tttaatataa atgcggagac gtaaagcatt aatgcnagtt
                                                                     360
aaaatgtttc agtgaacaag tttcagcggt tcaactt
                                                                     397
      <210> 296
      <211> 447
      <212> DNA
      <213> Homo sapien
      <400> 296
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aaggtgcage egtactgetg gaagtaggee etgttetgea egtegateat eetettggea
                                                                     120
tacgagtacc caaaattgct gttgtgggga ggcccattgt ggatcatggt ctcatctatc
                                                                     180
gggtaggteg tettgteagg gaagataeag gtggaeagge aggaeaeeae ettgegggeg
                                                                     240
cccacctcga aggccgagtg caggacgttg tcgttcatgt gcacgttttt cctccagaag
                                                                     300
tccaaattgt atttgatatt ccggaacagg cccccacca ttgcagcaag atggatgacg
                                                                     360
tgtgtgagtt ggacettete aaacagggeg egggtetgtg etgtateegt gagateggeg
                                                                     420
tctttagagg agacaaacac ccagtcc
                                                                     447
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      <221> misc_feature
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gaaccetcgt aagaaatagt caaacacatt aagtcettte cagetgteec tagaaagetg
                                                                     120
ctgttctctt tttcattttc agctctggta agggcaggga ccaccctgca ggaagtgtca
                                                                     180
atgatacqct gataagcttc ttacttctct cctgtcagtt ggtgctcccc ctgtgatgag
                                                                     240
aaaagggtta ctgttgcagg tgctaaggaa ggctgctctt ctgtcactct gaagttgctt
                                                                     300
                                                                     360
ggagggatgt ccccatgcag actetetece agecetecae teagggaagg tetqtetqta
cccactgcct tctatagcag aaaacttgca ctcctgaatg ctttttttt ttttcaaqaa
                                                                     420
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agaagnggct gnggactcaa ctagattctt ggtttgaaaa agccaaaaca tattggtcac
                                                                     480
tgattgtcac attgggttag aaatgtccat tcatgatctc ccttaagctg cacacaaccc
                                                                     540
tatgaaataa ctaccattat ctaccctatt ttgctaaagc tcaaagagat taaataatgt
                                                                     600
tgacagggat cttagccttg aactcactga aggngttact gcaaagttct gctcttcacc
                                                                     660
aagaaggntt acaggccaaa g
                                                                     681
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      <211> 353
      <212> DNA
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      <220>
      <221> misc_feature
      <222> (1)...(353)
      <223> n = A, T, C or G
      <400> 298
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gtgaaccatt tatttccaaa ctataaagaa acctgctctc tgagaaaana cactgcccag
                                                                     180
gngatgaagc tccagccct ggaggtccaa aacccagtcc aaactcagtc cctttagaaa
                                                                     240
                                                                     300
gctgctgtgc cttggaaatg annntcggnt gtcanagcct gggaagtggt gggaagaacc
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      <212> DNA
      <213> Homo sapien
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acccagacac tgggctaggc tgcaacttta tctcatttaa tactcccagc tgtcatgtga
                                                                     120
gaaagaaagc aggctaggca tgtgaaatca ctttcatgga ttattaatgg atttaagagg
                                                                     180
                                                                     240
gcatcaatca gctcaactca agatttcata atcattttta gtatttagat tgtgcctcaa
                                                                     300
agttgtagta cctcacaata cctccactgg tttcctgttg taaaaacctt cagtgagttt
gaccattgtg ctcttggctc ttgggctgga gtaccgtggt gagggagtaa acactagaag
                                                                     360
                                                                     420
tetttagtae aaaactgete tagggacaee tggtgattee tacacaagtg atgtttatat
ttctcataaa gagtcttccc tatcccaagg tcttcatgat gccagtagcc atatatgata
                                                                     480
aattatgttc agtgataact tagttatcag aaatcagctc agtggtcttc cccgccatga
                                                                     540
ttcacatttg atgagttttt
                                                                     560
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     <211> 165
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(165)
     <223> n = A, T, C or G
     <400> 300
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attctaatat attactaagg caattttaat gaattaccat gtatataaaa aaatatctgn
                                                                     120
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cacttggcac acaggtttgt atgtatgtgt atatatatat gtatg	165
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300
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tttggtggga tatacagctc ccattttcca taatccagtt ttttgtatgg gtacgaaaat
                                                                       420
qqattccaac cattaaaatc tccagtaaga aaaactcctt ctgctcccgg ggcccattct
                                                                       480
ttqcaqtata aaccaccatc aqcacatctg tggacqccaa atqattcata gcctctggaa
aacttatcaa taccaccttc attttctcca atgttcttca aaatttggct aaactgctta
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tacctgcgct ggaagtccac ggcgtagggc ttcaagtacc ggtcgatctc caggagtctg
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                                                                       601
g
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gaaccetegt aagaaatagt caaacacatt aagteettte cagetgteec tagaaagetg
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ctgttctctt tttcattttc agctctggta agggcaggga ccaccctgca ggaagtgtca
                                                                       180
atgatacget gataagette ttaettetet cetgteagtt ggtgeteece etgtgatgag
                                                                       240
aaaagggtta ctgttgcagg tgctaaggaa ggctgctctt ctgtcactct gaagttgctt
                                                                       300
ggagggatgt ccccatgcag actetetece agecetecae teagggaagg tetgtetgta
                                                                       360
cccactgcct tctatagcag aaaacttgca ctcctgaatg c
                                                                       401
      <210> 306
      <211> 313
      <212> DNA
      <213> Homo sapien
      <400> 306
                                                                        60
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acqtagcaqt gagggtgctg ccgattcctc aggtgctctt ctttatacag ctgcgcttca
                                                                       120
tetttatate tgaggaeaga eaggettegg teagaeagea etaagggeaa eatggagetg
                                                                       180
tttcaaatgc cacgctgacg tcacgcctgg cctgaaattt cacatcacta acatctgacc
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                                                                       300
ggatgageet etaaaaataa aacaatettt agaegateea gaetaatgga aggaeagaga
                                                                       313
ggttgattac ttt
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gctgattttt cttatgagat ggaaaaaaaa aatcagccaa gtaagggcac atcttcactt
                                                                       120
                                                                       180
catttataag tcagcatcca aggtaaaaga attctctgtt ggacttgaca tcactcccat
                                                                       240
cctctgatac tcgcctactc tcttctcaaa gaagttagnt ctttccttcc antgaaatat
                                                                       300
tctcataaaa qtcaaatqqq ttctctactc tgaaaacctt qctaaaaccc aattccaqca
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                                                                       360
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gcttcc
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tetgteteaa agteagagte atceaactee teaggggtee ttateateag caetgettte
                                                                       120
ctgatgtccc ggatgccatc atataccaqg cgggaagcat cgataaactc attctcatcc
                                                                       180
atgggctggg cagggtccga gctgagggct tccacggctg cttctacttg ctcagtaaaa
                                                                       240
cgtggcatga ctgtgttgga gagcagctta gtggcttcca gaaccttctc tgtgtagact
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cctattcttt ggacataact atgaattttg tatacaatgc acttcatgaa aagttgtggc
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tcccccagat tgcccacaag tgtgatcttg aagtcctaaa catttgtcca tgtaagcttc
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agaccttctg attgaagtca tgtacagttc agtggcctaa attctctgcc tttttaactt gctttgcaag cctactctga aaataagtta tttagtcaag ttattctcaa agatgtccca gttgcctaga aaggatcaaa tggaacattt gacacacata ctcaaaaaaa tgtaactgac tataaacact ttaacctaat catctgtatc aaactttcta aaaatcaaat ctcaggattg ttccacttta gagattctat gtaaagttta tataactata cttgtcaaat agcacctatc tatgcattt	180 240 300 360 420 429
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ttcctagcca tgcactactn accagacncc tcaacngcct tttnatcaat nggncacatn
                                                                       180
actoganach taaatnatgg ctgaatcatc cgctaccthc acgccaatgg cagcctcaat
                                                                       240
attetttatg etgeetette etacacatge gggegagg
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tgactctgga gctgcacagc gagggcacca ccgtcctgct cttccagttc gggatgaatg
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caagttctag ccggtttttc ctacaaggaa ttcagttgaa tacaattctt cctgacqcca
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                                                                       300
gagaccctgc ctttaaagct gccaacggct ccctgcgagc gctgcaggcc acagtcggca
                                                                       360
attectacaa gtgcaacgeg gaggageacg teegtgteac gaaggegttt teagteaata
tattcaaagt gtgggtccag gctttcaagg tggaaggtgg
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attgctctcc aagagaagga tgtggatggc ctggaccgca cagctggtgc aattcgaggc
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                                                                       240
egggeagece gggteattea egtagteace teagagatgg acaactatga geeaggagte
tacacagaga aggttctgga agccactaag ctgctctcca acacagtcat gccacgtttt
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                                                                       360
actgagcaag tagaagcagc cgtggaagcc ctcagctcgg accctgccca gcccatggat
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gagaatgagt ttatcgatgc ttcccgcctg gtatatgatg gcatccggga catcaggaaa
gcagtgctga tgataaggac ccctgaggag ttggatgact ctgactttga gacagaagat
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ccaattatag ctatcaggga tatacaaatt aaaaccaaaa tgaaacatca ctacacaccg
attggaatgg ttaaaaagga aaaatactga caacaccaat atttgtaaag acaggaggta
                                                                       240
                                                                       300
ccagaactct cattcattat attcataaat tgacaaatat aaaaactgct atagtagggc
                                                                       360
agtcttcctt agaaagggat tgtgggcatg acagagaaca atattaatct gtccattata
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ttccttaact gtaaaatgga gaccatatgt tccaccagct tcacttggta attatgatac
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atggctatta agagactcaa a cttctaaagt atcccatgtt caactctctat aatatttcaa tttgggctccc caatttctgt t	tatccaatg aatctaact	tcataccact ggtctcaatg	atcataattt cctgtagtag	aagtgttcat	480 540 600 646
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<210> 345 <211> 263 <212> DNA <213> Homo sapien	1				
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                                                                        300
tctaactcat gctgtccttg tgattaaaca cctctatctc ccttgggaat aagcacatac
aggettaage tetaagatag ataggtgttt gteettttae categageta etteecataa
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                                                                        420
taaccacttt gcatccaaca ctcttcaccc acctcccata cgcaagggga tgtggatact
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tggcccaaag taactggtgg taggaatctt agaaacaaga ccacttatac tgtctgtctg
aggnagaaga taacagcagc atctcgacca gcctctgcct taaaggaaat ctttattaat
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cacgtatggt tcacaagata attc
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      <221> misc feature
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canctatttg ntcctcctcc cccacccag nccccaactt catgcttntc ttccgcnctc
                                                                       180
                                                                       240
agconcectg ceetgteete geggtgagte antgaceaen gntteeeetg cangageege
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egggegtgag aenengaeee tenntgeata caceaggeeg ggeeennget ggeteeeeen
                                                                       321
gnggccctgt gaaanagctg g
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atgtgcccgg cttggcagct gtgtagaaga tgtcataggt tccatcttca ttctcaatqa
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categgeete ggeeteagtg ceatetgggg teagaacegt geaggteact ttaccettee
cggcagtctt ggcatcaacc acaaaqccta cttcttcqcc aqttttcaca qtqqaqqcqa
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ttccaggacc cgtag
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      <211> 496
      <212> DNA
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      <221> misc feature
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      <223> n = A, T, C or G
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tgaatttatt aatacagcat taagtttctt tgtgtnaaaa aatctttgtn cncagtaata
                                                                       180
aaaaaagata aggcaagatg cattaaacat gaaaccttct ggctcttttc ctctgcgttt
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<211> 712

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                                                                        360
aatgtacaag tagaagaagt cacaagtata ggatggtctg gactacgccg gccaccacag
                                                                        420
caatgaggtc aaagaagccc tcaaagnaga agcgnccaga tccagttgac aagatacaaa
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gcacgataga ggccca
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      <211> 109
      <212> DNA
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      <220>
      <221> misc feature
      <222> (1)...(109)
      <223> n = A, T, C or G
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ggccaagccc catgtagccc cagtcatcct gcccagcccc gcctcctgg
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      <212> DNA
      <213> Homo sapien
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tetgtgacca gtgggacaat etgggggeee taacteagaa gegaagggaa getetggage
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ggaccgagaa actgctggag accattgacc agctgtactt ggagtatgcc aagcgggctg
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caccetteaa caactggatg gagggggeea tggaggacet geaggacace tteattgtge
acaccattga ggagatccag ggactgacca cagcccatga gcagttcaag gccaccctcc
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ttgnacttgg ncacttttgt gcttgaggag gcccattttc tgcctggcag ggggcaggta
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tgtgccctcc cgctgactcc tgctgtgtcc tgaggtgcat ttcctgttgn ncacacaang
                                                                       240
gccangntcc attctccctc ccttttcacc agngccacan cctnntctgg aaaaangacc
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agnggtcccg gaggaaccca tttgngctct gcttggacag canag
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ctcactgcta cgttcagtac atgatcgcca tcatcaacaa ctgccagacc ttcaaggaat
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tcaagtacca aaacgttgaa ttgatgatgc agttttcata tatcgagatg ttcgctcgtg
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cagtactgtt ggttaaatga caatttatgt ggattttgca tgtaatacac agtgagacac
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agtaatttta tctaaattac agtgcagttt agttaatcta ttaatactga ctcagtgtct
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gcctttaaat ataaatgata tgttgaaaac ttaaggaagc aaatgctaca tatatgcaat
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ataaaatagt aatgtgatgc tgatgctgtt aaccaaaggg cagaataaat aagcaaaatg
                                                                       360
ccaaaagggg tcttaattga aatgaaaatt taattttgtt ttt
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      <213> Homo sapien
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                                                                       120
caagacacgg aatcggctgc cgatggttgg atcgcaatgc gccccttttc tagagccttc
                                                                       180
cccggccatc tacaggcagg atgcggctgg gaaaaagaca actggaattt ctcgaaggtt
                                                                       240
gatggtccgc acggttgagg attctacgtg gttctcttgg ttcccctggt gtgtgtgt
                                                                       300
gtggaggagg ccgcqqccct tagatcacct tcttqaqctc gtcqtacaqg accaqcacqa
                                                                       360
aggegeeece catgeeeege aggacqttqq accaeqeaee ettqaaqaaq q
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gatcaaattt cctctgcttc ttttccaggt tggacacgag ttgccgctgg ttgtccaaat
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caacaaccag gtcgtccagc tcctgctgaa gcctgttctt ggtcttttcc agtttatcat
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                                                                       300
aagcggccgc cttctcctcg tactgctggg tgaggntctc gatctccttc tggaacctct
tettececte ttecagaget tecaeggnge tggcaaagte etgeagette ttettegagt
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cggagagctg gatgttga
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<210> 362 <211> 544 <212> DNA <213> Homo sapid	en				
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<210> 363 <211> 328 <212> DNA <213> Homo sapi	en				
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<211> 569 <212> DNA <213> Homo sapions	en				
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gctgtcctgc attgtccatt tcctttagcc ccaggcggtc ctgtgtgtac agggaggtct cctgtaaggg aatggtttcc ttggcttgg	540 569
<210> 365 <211> 151 <212> DNA <213> Homo sapien	
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<210> 366 <211> 508 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(508) <223> n = A,T,C or G	
<pre>&lt;400&gt; 366 agtataaaga tatattccat aaaagagttt ggcagtcaaa ganaagcatc gcacttccga aaaacacaag cattcttctc ctagtctaca gagaattgng taaaaaaaaa aaaaaatcat catcaacagc cnccantnta cnccacacta gaatgtacac tccggcaagt aaattaaggn tgcagtccat ccctgaacga tganaagngg tctgagctat ggcaaagngt tanaaagtag cccagctana caaatgcccc agctatcccc aggggagtta ttcagtactt aanacttcat ttccaananc agccccggaa aagccctgac aggaaggggg gaccagngat caccgatntc ccattagggg cggncaccaa aaacaaaatg cctggagctt ntgagcagct gcagcctggg gttgtggcta ggcncngggn gnggttgcaa aaaaacggct gtntccgggg agaggcaaat ggcaggccag ccagccctgg gtacatgg</pre>	60 120 180 240 300 360 420 480 508
<210> 367 <211> 382 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 367 cctgagcggc tagtctttaa gatgcgcttc tatcgtttgc tgcaaatccg agcagaagcc ctcctggcgg caggcagcca tgtgatcatt ctgggtgacc tgaatacagc ccaccgcccc attgaccact gggatgcagt caacctggaa tgctttgaag aggacccagg gcgcaagtgg atggacagct tgctcagtaa cttggggtgc cagtctgcct ctcatgtagg gcccttcatc gatagctacc gctgcttcca accaaagcag gagggggcct tcacctgctg gtcagcagtc actggcgccc gccatctcaa ctatggctcc cggcttgact atgtgctggg ggacaggacc ctggtcatag acacctttca</pre>	60 120 180 240 300 360 382
<210> 368 <211> 174 <212> DNA <213> Homo sapien	
<400> 368	

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ccttctccct ctttgacaag gatggagatg gcactatcac caccaaggag ttggggacag
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tgatgagatc cctgggacag aaccccactg aagcagagct gcaggatatg atcaatgagg
                                                                       120
tggatgcaga tgggaacggg accattgact tcccggagtt cctgaccatg atgg
                                                                       174
      <210> 369
      <211> 216
      <212> DNA
      <213> Homo sapien
      <400> 369
aaatctcatg ggttctatta aaaaaatata tatatagggc cccaatccat tgccatcaaa
                                                                        60
ttgcccttgg acttttccaa ggtatattat ggggttttat gcaaaattcc aagctaccat
                                                                       120
gtaacttttt ttaaccattt aacaaggagg gggaactgtt tcctaccttc tttacatgtt
                                                                       180
gtgcattgtt gtggtccaga aatgccaaac cttttt
                                                                       216
      <210> 370
      <211> 344
      <212> DNA
      <213> Homo sapien
      <400> 370
ccttggtcag gatgaagttg gctgacacag cttagcttgg ttttgcttat tcaaaagaga
                                                                        60
                                                                       120
aaataactac acatggaaat gaaactagct gaagcctttt cttgttttag caactgaaaa
                                                                       180
ttgtacttgg tcacttttgt gcttgaggag gcccattttc tgcctggcag ggggcaggtc
tgtgccctcc cgctgactcc tgctgtgtcc tgaggtgcat ttcctgttgt acacacaagg
                                                                       240
                                                                       300
gccaggetee attetecete cetttecace agtgccacag cetegtetgg aaaaaggace
                                                                       344
aggggtcccg gaggaaccca tttgtgctct gcttggacag cagg
      <210> 371
      <211> 741
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(741)
      <223> n = A, T, C or G
      <400> 371
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                                                                        60
gctaagtgta gcagtttgtt ccctgctaca ctccaaggca caaaggagtt caaggaatgt
                                                                       120
gcaatggaaa tcagttagat gaatgtgtta ggaaccttcc ctttaataaa gctggatccc
                                                                       180
acactagece etacacecte teateaceaa atatteetge tteeteteae etgeaettge
                                                                       240
tgttctctcc tctgccacac aaatctacct ctcaagccta ggtcccacct gcttcatgac
                                                                       300
aactttccag actattccag aacctttaac catctctgac ctctcatcag atctatgttg
                                                                       360
tacataacac caattaatga gatcattact gctttatgct ctaattgctt cctgtattca
                                                                       420
                                                                       480
aaatettete teeaaceaca taatgactee etaaaettet ettgtattit eeaatgeett
gtacaagcac agaactggtc aatcaataaa tactcactgg ttatttgagg aaaaaatgtt
                                                                       540
gccaagcacc atctttatca gaaaataaat caattcttct aaacttggag aaatcaccct
                                                                       600
                                                                       660
attoctagta tgtgatotta attagaacaa ttoagattga gaangngaca goatgotggo
agtectcaga gecetegett geteteggna ecteeetgee tgggeteeca etttggtgge
                                                                       720
                                                                       741
atttgaggag cccttcagcc t
```

```
<210> 372
      <211> 218
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1) ... (218)
      <223> n = A, T, C or G
      <400> 372
ccgccagtgt gctggaattc gcccttggcc gcccgggcag gtaccacaac agcaggnctg
                                                                         60
agtgagaaat ctaccacctt ctacagtagc cccagatcac cggacacaac actctcacct
                                                                        120
                                                                        180
gccagcacga caagctcagg cgtcagtgaa gaatccacca cctcccacag ccgaccaggc
tcaacgcaca caacagcatt ccctggcagt accttggn
                                                                        218
      <210> 373
      <211> 168
      <212> DNA
      <213> Homo sapien
      <400> 373
                                                                         60
actgctaggg aatgctgttg tgtgcattga gcctggtcgg ctgtgggagg tggtggattc
                                                                        120
ttcactgacg cctgagcttg tcgtgctggc aggtgagagt gttgtgtccg gtgatctggg
                                                                        168
gctactgtag aaggtggtag atttctcact caggcctgct gttgtggt
      <210> 374
      <211> 154
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(154)
      <223> n = A, T, C or G
      <400> 374
tgagaaatct accaccttct acagngagcc ccanatcacc ggacacaaca ctctcacctg
                                                                         60
ccagcacgac aagctcaggc gtcagtgaag aatccaccac ctcccacagc cgaccaggct
                                                                        120
                                                                        154
caacgcacac aacagcattc cctggcagta cctc
      <210> 375
      <211> 275
      <212> DNA
      <213> Homo sapien
      <400> 375
actgccaggg gacagtgctg tgtcagttga acctgggctg ctgtgggaag ttgttgattc
                                                                         60
ctgactgggg cctgaggtgg tggtgctggc aggtaacagt gttgtatccg ttgagcctgg
                                                                        120
gctgctgtgg gaagttgtag aatgccgact gaggcctggc gtggtggtgc tgtcagggaa
                                                                        180
tgctgttgtg tgcgttgagc ctggtcggct gtgggaggtg gtggattctt cactgacgcc
                                                                        240
tgagcttgtc gtgctggcag gtgagagtgt tgtgg
                                                                        275
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<210> 376

7 .

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<211> 191
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(191)
      <223> n = A, T, C \text{ or } G
      <400> 376
actgccaggg gacagtgctg tgtcagttga acctgagctg ctgtgggaag ttgttgattc
                                                                      60
ctgactggag cctgaggtgg tggtgctggc aggtaacagt gttgtatccg ttgagcctgg
                                                                     120
                                                                     180
gctgctgtgg gaagttgtag aatgccgact gaggcctgcc gtggtggtgc tgntagggaa
                                                                     191
tgctgctagc g
      <210> 377
      <211> 476
      <212> DNA
      <213> Homo sapien
      <400> 377
ccgccagtgt gctggaattc gcccttggcc gcccgggcag gtacatttcc ttgtagactc
                                                                      60
tgttaatttc ctgcagctcc tggttggttc tggagcagat gatctcaatg agagagtcct
                                                                     120
cgtcggttcc cagccccttc atggaagctt ttagctcaga agcgtcatac tgagcaggtg
                                                                     180
tetteaatag geceaaaate acegteteea ggtggeeaga taaggetgae tteagtgetg
                                                                     240
atgcaagttc ctttttggtc cttctctggt aggcgaaggc aatatcctgt ctctgtgcat
                                                                     300
tgctgcggtt ggtcaaaatg ttgacaatgg tgacctcatc cacacctttg gtcttgatgg
                                                                     360
ctgtttcaat gttcaaagca tcccgctcag catcaaagtt agtataggct ttgacagacc
                                                                     420
                                                                     476
catatgcact tgggggtgta gagtgatcac cctccaagcc gagcttgcac aggatt
      <210> 378
      <211> 455
      <212> DNA
      <213> Homo sapien
     <220>
     <221> misc feature
      <222> (1)...(455)
      <223> n = A, T, C or G
     <400> 378
                                                                      60
agtgtgctgg aattcgccct tggccgcccg ggcaggtaca catcccatct tcaaatttaa
aatcatattg tcagttgtcc aaagcagctt gaatttaaag tttgtgctat aaaattgtgc
                                                                     120
                                                                     180
aaatatgtta aggattgaga cccaccaatg cactactgta atatttcgct tcctaaattt
cttccaccta cagataatag acaacaagtc tgagaaacta aggctaacca aacttagata
                                                                     240
300
agaaacaaat ttcaaaataa atcacatctt ctcttaaaac ttggcaaacc cttccctaac
                                                                     360
                                                                     420
tgtccaagtn tgagcataca ctgccactgg ctttagatac tccaattaaa tgcactactc
                                                                     455
tttcactggt ctgaatgaag tatggtgaaa caagc
      <210> 379
      <211> 297
      <212> DNA
      <213> Homo sapien
```

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<220>
      <221> misc feature
      <222> (1)...(297)
      <223> n = A, T, C or G
      <400> 379
ageteggate cetagnaegg eegeeagtgt getggaatte geeettageg geggeeeggg
                                                                         60
caggtacaaa gaatccttag acgccatact gagttttaag ttccttaatt cctaatttaa
                                                                        120
                                                                        180
ggettetagt gaagestest cacagtagge tteactagge ceacagtges estagaests
tgacaatccc accctagaca gactttattg caaaatgcgc ctgaagaggc agatgattcc
                                                                        240
caagagaact caccaaatca agacaaatgt cctagatctc tagtgtggna gaactat
                                                                        297
      <210> 380
      <211> 144
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(144)
      <223> n = A, T, C or G
      <400> 380
actttgctga aaattctttt tcccagggtc tataaaacat taatttgttt ttatatttta
                                                                         60
                                                                        120
ctattttttt gngttttttt gtttttaaat caataagtaa tctaggacta gcattatgtt
                                                                        144
tgctagacct ggcatttgct cggc
      <210> 381
      <211> 424
      <212> DNA
      <213> Homo sapien
      <400> 381
                                                                         60
actettgaat acaagtttet gataceactg cactgtetga gaattteeaa aactttaatg
aactaactga cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt
                                                                        120
catgggacta aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc
                                                                        180
tgattcttta aatgtcttgt ttcccagatt tcaggaaact ttttttcttt taagctatcc
                                                                        240
                                                                        300
acagcttaca gcaatttgat aaaatatact tttgtgaaca aaaattgaga catttacatt
ttctccctat gtggtcgctc cagacttggg aaactattca tgaatattta tattgtatgg
                                                                        360
taatatagtt attgcacaag ttcaataaaa atctgctctt tgtataacag aatacatttg
                                                                        420
                                                                        424
aaaa
      <210> 382
      <211> 408
      <212> DNA
      <213> Homo sapien
      <400> 382
                                                                         60
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aactaactga cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt
                                                                        120
catgggacta aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc
                                                                        180
                                                                        240
tgattcttta aatgtcttgt ttcccagatt tcaggaaact ttttttcttt taagctatcc
                                                                        300
acagcttaca gcaatttgat aaaatatact tttgtgaaca aaaattgaga catttacatt
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```
ttctccctat gtggtcgctc cagacttggg aaactattca tgaatattta tattgtatgg
                                                                        360
taatatagtt attgcacaag ttcaataaaa atctgctctt tgtatgac
                                                                        408
      <210> 383
      <211> 455
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(455)
      <223> n = A, T, C or G
      <400> 383
actettgaat acaagtttet gataceactg cactgtetga gaatttecaa aactttaatg
                                                                         60
aactaactgn cnncttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt
                                                                        120
catgggacta aatgaactaa tgaggataat attttcataa ttttttattt gaaattttqc
                                                                        180
tgannettta aatgtettgt tteecagatt teaggaaact ttttttettt taagetatee
                                                                        240
acagcttata gcaatttgat aaaatatact tttgtgaaca aaaattgaga catttacatt
                                                                        300
ttctccctat gtggtcgctc cagacttggn aaactattca tgaatattta tattgtatgg
                                                                        360
taatatagtt attgcacaag ttcaataaaa atctgctctt tgtataacag aatacatttg
                                                                        420
aaaacattgg ttatattacc aagactttga ctaga
                                                                        455
      <210> 384
      <211> 376
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(376)
      <223> n = A, T, C or G
      <400> 384
actettgaat acaaggttet gatateactg cactgtetga gaatttecaa aactttaatg
                                                                         60
aactaactga cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt
                                                                       120
catgggacta aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc
                                                                       180
tgattcttta aatgtcttgt ttcccagatt tcaggaaact tttttttctt ttaagctatc
                                                                       240
cacagcttac agcaatttga taaaatatac ttttgngaac aaaaattgag acatttacat
                                                                       300
tttctcccta tgtgggcgct ccagacttgg gaaactattc atgaatattt atattgnatg
                                                                       360
ggaatatagc attgcc
                                                                        376
      <210> 385
      <211> 422
      <212> DNA
      <213> Homo sapien
      <400> 385
acctgtgggt ttattaccta tgggtttata tcctcaaata cgacattcta gtcaaagtct
                                                                         60
tggtaatata accaatgttt tcaaatgtat tctgtcatac aaagagcaga tttttattga
                                                                       120
acttgtgcaa taactatatt accatacaat ataaatattc atgaatagtt tcccaagtct
                                                                       180
ggagcgacca catagggaga aaatgtaaat gtctcaattt ttgttcacaa aagtatattt
                                                                       240
tatcaaattg ctgtaagctg tggatagctt aaaagaaaaa aagtttcctg aaatctggga
                                                                       300
aacaagacat ttaaagaatc agcaaaattt caaataaaaa attatgaaaa tattatcctc
                                                                       360
```

attagttcat ttagtcccat gaaattaatt attttctctg cttgatcttg gtggacagtt tc	420 422
<210> 386 <211> 313 <212> DNA <213> Homo sapien	
<400> 386 caagtaggtc tacaagacgc tacttcccct atcatagaag agcttatcac ctttcatgat cacgccctca taatcatttt ccttatctgc ttcctagtcc tgtatgccct tttcctaaca ctcacaacaa aactaactaa tactaacatc tcagacgctc aggaaataga aaccgtctga actatcctgc ccgccatcat cctagtcctc atcgccctcc catccctacg catcctttac ataacagacg aggtcaacga tccctccctt accatcaaat caattggcca ccaatggtac tgaacctacg agt	60 120 180 240 300 313
<210> 387 <211> 236 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 387 cgccctcata atcattttcc ttatctgctt cctagtcctg tatgcccttt tcctaacact cacaacaaaa ctaactaata ctaacatctc agacgctcag gaaatagaaa ccgtctgaac tatcctgccc gccatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat aacagacgag gtcaacgatc cctcccttac catcaaatca attggccacc aatggt</pre>	60 120 180 236
<210> 388 <211> 195 <212> DNA <213> Homo sapien	
<400> 388 acgccctttt cctaacactc acaacaaaac taactaatac taacatctca gacgctcagg aaatagaaac cgtctgaact atcctgcccg ccatcatcct agtcctcatc gccctcccat ccctacgcat cctttacata acagacgagg tcaacgatcc ctcccttacc atcaaatcaa	60 120 180 195
<210> 389 <211> 183 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(183) <223> n = A,T,C or G	
<pre>&lt;400&gt; 389 taacactcac aacaaaacta actaatacta nnatctcaga cgctcaggaa atagaaaccn cctgaactat cctgcccgcc atcatcctag tcctcatcgc cctcccatcc ctacncatcc tttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt ggccaccaat ggt</pre>	60 120 180 183

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<210> 390
      <211> 473
      <212> DNA
      <213> Homo sapien
      <400> 390
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                                                                        60
                                                                       120
atattacagt attatcaaaa tattacattt tcagacttac ttagcagata atcatccacc
agagcttaaa tctttaaatt atttccatag tcttaaaaaa tatgtaatgt cagaatgcat
                                                                       180
ataaaaagaa tgtaaaagga aacctaaaat acaaatggaa taatgtaaca aataaatatt
                                                                       240
                                                                       300
tgatttcagt aactgttaat aatcagctca acaccaccat tctctctaaa ctcaatttaa
ttcttatagg aataatgaac tgtcaaatgc catggcataa ttatttattt ccaagctatc
                                                                       360
                                                                       420
atcaatgatt agaactaaaa aaaatttggc ataaaaaaat cacaattcag cataaataaa
                                                                       473
gctattttta gcttcaacac tagctagcat ctctaagaat tgttgaaata agt
      <210> 391
      <211> 216
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(216)
      <223> n = A, T, C or G
      <400> 391
atttgtattt taggtttcct tttacattct ttttatatgc nntctgacat tacatatttt
                                                                        60
ttaagactat ggaaataatt taaagattta agctctggtg gatgattatc tgctaagtaa
                                                                       120
gtctgaaaat gtaatatttt gataatactg taatatacct gtcacacaaa tgcttttcta
                                                                       180
atgttttaac cttgagtatt gcagttgctg ctttgt
                                                                       216
      <210> 392
      <211> 98
      <212> DNA
      <213> Homo sapien
      <400> 392
acttatttca acaattctta qaqatqctaq ctaqtqttqa aqctaaaaat aqctttattt
                                                                        60
atgctgaatt gtgatttttt tatgccaaat ttttttaa
                                                                        98
      <210> 393
      <211> 397
      <212> DNA
      <213> Homo sapien
      <400> 393
tgccgatata ctctagatga agttttacat tgttgagcta ttgctgttct cttgggaact
                                                                        60
                                                                       120
gaactcactt tcctcctgag gctttggatt tgacattgca tttgaccttt tatgtagtaa
ttgacatgtg ccagggcaat gatgaatgag aatctacccc cagatccaag catcctgagc
                                                                       180
aactettgat tatecatatt gagteaaatg gtaggeattt cetateacet gttteeatte
                                                                       240
                                                                       300
aacaaqaqca ctacattcat ttagctaaac ggattccaaa gagtagaatt gcattgaccg
                                                                       360
cqactaattt caaaatgctt tttattatta ttatttttta gacagtctca ctttgtcgcc
                                                                       397
caggccggag tgcagtggtg cgatctcaga tcagtgt
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<211> 351

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<210> 394
      <211> 373
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(373)
      <223> n = A,T,C or G
      <400> 394
ttacattqtt qaqctattqc tqttctcttq qqaactqaac tcactttcct cctqaqqctt
                                                                        60
tggatttgac attgcatttg accttttatg tagtaattga catgtgccag ggcaatgatg
                                                                       120
aatgagaatc tacccccaga tccaagcatc ctgagcaact cttgattatc catattgagt
                                                                       180
caaatggtag gcatttccta tcacctgttt ccattcaaca agagcactac attcatttag
                                                                       240
ctaaacggat tccaaagagt agaattgcat tgaccacgac tantttcaaa atgcttttta
                                                                       300
ttattattat tttttagaca gtctcacttt gtcgcccagg ccggagtgca gtggtgcgat
                                                                       360
                                                                       373
ctcagatcag tgt
      <210> 395
      <211> 411
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(411)
      <223> n = A, T, C or G
      <400> 395
actgatcatt ctatttcccc ctctattgat ccccacctcc aaatatctca tcaacaaccg
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actaatcacc acccaacaat gactaatcaa actaacctca aaacaaatga taaccataca
                                                                       120
                                                                       180
caacactaaa ggacgaacct gatctcttat actagtatcc ttaatcattt ttattgccac
aactaacctc ctcggactcc tgcctcactc atttacacca accacccaat tatctataaa
                                                                       240
cctagccatg gccatcccct tatgagcggg cgcagtgatt ataggctttc gctctaagat
                                                                       300
taaaaatgcc ctagcccact tcttacngca aggcacacct acacccctta tccccatact
                                                                       360
agttattatc gaaaccatca gcctactcat tcaaccaata gccctggccg t
                                                                       411
      <210> 396
      <211> 411
      <212> DNA
      <213> Homo sapien
      <400> 396
actgatcatt ctatttcccc ctctattgat ccccacctcc aaatatctca tcaacaaccg
                                                                        60
actaattacc acccaacaat gactaatcaa actaacctca aaacaaatga tagccataca
                                                                       120
caacactaaa ggacgaacct gatctcttat actagtatcc ttaatcattt ttattgccac
                                                                       180
                                                                       240
aactaacctc ctcggactcc tgcctcactc atttacacca accacccaac tatctataaa
                                                                       300
cctagccatq qccatcccct tatqaqcqqq cqcaqtqatt ataqqctttc qctctaaqat
taaaaatgcc ctaqcccact tcttaccaca aggcacacct acacccctta tccccatact
                                                                       360
agttattatc gaaaccatca gcctactcat tcaaccaata gccctggccg t
                                                                       411
      <210> 397
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(351)
      <223> n = A, T, C or G
      <400> 397
ngccgangta caaaaaaaag cacattccta gaaaaaggta ttggcaaata gtaaaaatgg
                                                                         60
gaggtcaaaa ncaaaaaaaa aaaaaacaaa acnaaaaaaa gaaaaaacca acaattcttc
                                                                        120
aattcagtgt gcaaacatta tataaaaata gaaatactaa ctctacaggc aqtatttcct
                                                                        180
gataaattat ttaaatagca tatctacnca atctgagata tctattccaa tqqcaatqaq
                                                                        240
aaaataattt ataaaaataa agcaatggta taccanatga tagaaaaaaa cataactttc
                                                                        300
agaaattqta tttaacattt caatqctatt tccttattqn qaatncttct c
                                                                        351
      <210> 398
      <211> 363
      <212> DNA
      <213> Homo sapien
      <400> 398
acaaaaaaa gcacattcct agaaaaaggt attggcaaat agtaaaaatg ggaggtcaaa
                                                                         60
agcaaaaaaa aaaaaaacaa aacaaaaaaa agaaaaaaacc aacaattctt caattcagtg
                                                                        120
tgcaaacatt atataaaaat agaaatacta actctacagg cagtatttcc tgataaatta
                                                                        180
tttaaatagc atatctacac aatctgagat atctattcca atggcaatga gaaaataatt
                                                                        240
tataaaaata aagcaatggt ataccagatg atagaaaaaa acataacttt cagaaattgt
                                                                        300
atttaacatt tcaatgctat ttccttattg ggaatacttc tctgcagagt ttttatgcta
                                                                        360
tqt
                                                                        363
      <210> 399
      <211> 360
      <212> DNA
      <213> Homo sapien
      <400> 399
actgtttcct cgtggttcag gggtgtgcat gaaggctctt aggagagcaa acacctgttc
                                                                         60
ctattctgta tgtccctccc tcatttcaaa tgagagtaac caattgagta aaataaccaa
                                                                        120
ataaccattg ccccaccatg aacatggggc ttgggaagac agtcctacaa tcttcatcat
                                                                       180
atatttaggt ttttaggcca gccagctctt tttttccaaa gctttctttt qaatacccgc
                                                                       240
ccgggcggcc cctaagggcg aattctgcag atatccatca cactggcggc cgctcgagca
                                                                        300
tgcatctaga gggcccaatt cgccctatag tgagtcgtat tacaattcac tggccgtcgt
                                                                        360
      <210> 400
      <211> 87
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(87)
      <223> n = A, T, C or G
      <400> 400
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ctgcacatat cnattacact ggcggccgct cgagcatgca tgnagagggc ccaattctcc
                                                                      60
ctatattgag tggaattaca atnonct
                                                                      87
      <210> 401
      <211> 328
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(328)
      <223> n = A, T, C or G
      <400> 401
acccagggac acaaacactc tgcctaggaa aaccagagac ctttgttcac ttgtttatct
                                                                      60
gctgaccttc cttccactat tgtcctatga ccctgccaaa tccccctctg cgagaaacac
                                                                     120
180
ccacaaaaaa aaaaaaaaag aaagtntata aaataaaata ttgaaqtcct ttcccattaa
                                                                     240
aaaaaaaaaa aagaaaaagc acggactctt tcatccagtt ctgatgtgat tatctctgga
                                                                     300
aggcattttc tcctcctctt ccctcccc
                                                                     328
      <210> 402
      <211> 268
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(268)
      <223> n = A, T, C or G
      <400> 402
nacataatga caacatcttc actagactga gtgttcaagg atttgagatg attcgctatt
                                                                      60
catcacaccc cgaagattga gatccactgt atttacacaa agcaaaqcca tqtcaqcaaq
                                                                     120
ggactgtcaa cctgattctg agaacataaa cattcaaaat ttattttcca qtqttccttt
                                                                     180
ttggaaacca acaacacatc tttaatacct acacacaca acatctntac ctttaaaaaa
                                                                     240
aaaaaaaaag tgnaacttca cagatagt
                                                                     268
      <210> 403
      <211> 538
      <212> DNA
      <213> Homo sapien
      <400> 403
acagtgatag ctccccctgg gcaatacaat acaagaacag tgggttttgt caaattggaa
                                                                      60
caaggaaaca gaaccacaga aataaataca ttggttaaca tcagattagt tcaggttact
                                                                     120
tttttgtaaa agttaaagta gaggggactt ctgtattatg ctaactcaag tagactggaa
                                                                     180
tctcctgtgt tcttttttt tttaaattgg ttttaatttt ttttaattgg atctatcttc
                                                                     240
ttccttaaca tttcagttgg agtatgtagc atttagcacc actggctcaa tgcgctcacc
                                                                     300
taggtgagag tgtgaccaaa tcttaaagca ttagtgctat tatcagttac caccatttgg
                                                                     360
ggcttttatc cttcatgggt tatgatgttc tcctgatgac acatttctct gagttttgta
                                                                     420
attccagcca aagagagacc attcactatt tgatggctgg ctgcatgcag acatttaaag
                                                                     480
cttttagaga atacactaca ccagggagta tgactactag tatgactatt aggagggt
                                                                     538
```

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<210> 404
      <211> 310
      <212> DNA
      <213> Homo sapien
      <400> 404
                                                                        60
tttttttata gatacaattg gcttttattt gtgattcatg agtcagggca gtttccattc
tgcaaaatat agtgatagct cctactgggc aatacaacag tagaacagtg ggttttgtaa
                                                                       120
                                                                       180
aatgggaatc caggaacaga agaatataaa taaattgatt taaataaact gattggttaa
tttcagaata cttcatatta ctttttcta agagttaaag cagaaaggac tttcttactg
                                                                       240
tgctgactca gacagcctgg actctcatgt ttttaggaaa attttgtctg ttctgggatc
                                                                       300
                                                                       310
tacctgcttc
      <210> 405
      <211> 559
      <212> DNA
      <213> Homo sapien
      <400> 405
acaaatcaca attattaact cactggtagg gcagtgatga tcaaaccaat tgcattcatc
                                                                        60
                                                                       120
catgctgtaa tgttctctct tggcactaaa ggctgactgc agccggcaaa aaagaatgta
                                                                       180
agtatgaatt tataaaaaaca ttttagatgg ctgacaacgg atcttatttt taaagaatat
                                                                       240
gtctaattca gaggatcgac aactaatcca tttcaataaa acaatgggga attttttatt
gaataaaaat gtaatatgca taaaaactca agaaggcttt ttaaaaatac ttcctcccca
                                                                       300
atcattatcc catacttcat gctaattttt aaaagaatct tgaaatcttg aaaacaagat
                                                                       360
                                                                       420
gaagagaatc ttgttttaag tgacaagtta acattattcc tatattaaat gtcaaactgc
                                                                       480
tattaatgag tagaagtagg aacaaacccq qatcttagga tcctqtccaq gqctcattcc
                                                                       540
ataactccta tatcacaaag acaagatctg gaaccagaaa acagtcatca tccaatgtgc
                                                                       559
atcagccttg cggcaacag
      <210> 406
      <211> 427
      <212> DNA
      <213> Homo sapien
      <400> 406
acaacagaat atctcgggaa tggactcaga agtatgccat gtgatgctac cttaaagtca
                                                                        60
gaataacctg cattatagct ggaataaact ttaaattact gttccttttt tgattttctt
                                                                       120
atcoggotgo toccotatoa gacotoatot titttaatit tattittigt tiacotocot
                                                                       180
ccattcattc acatgctcat ctgagaagac ttaagttctt ccagctttgg acaataactg
                                                                       240
                                                                       300
cttttagaaa ctgtaaagta gttacaagag aacagttgcc caagactcag aatttttaaa
aaaaaaaatg gagcatgtgt attatgtggc caatgtcttc actctaactt qqttatgaga
                                                                       360
                                                                       420
ctaaaaccat tcctcactgc tctaacatgc tgaagaaatc atctgagggg gagggagatg
                                                                       427
gatgctc
      <210> 407
      <211> 419
      <212> DNA
      <213> Homo sapien
      <400> 407
acaatttgta gttgtttcca ggtttggcta ataatcattc cttaacctag aattcagatg
                                                                        60
atcctggaat taaggcaggt cagaggactg taatgataga attaaattag tgtcactaaa
                                                                       120
                                                                       180
aactgtccca aagtgctgct tcctaatagg aattcattaa cctaaaacaa gatgttacta
```

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ttatatcgat agactatgaa tgctatttct agaaaaagtc tagtgccaaa tttgtcttat
                                                                       240
taaataaaaa caatgtagga gcagcttttc ttctagtttg atgtcattta agaattacta
                                                                       300
acacagtggc agtgttaaat gaagatgctg tctacaaggt agataatata ctgtttgata
                                                                       360
ctcaaaacat ttttcatttt gtttaaagta gaagttacat aattctatat tttaagtct
                                                                       419
      <210> 408
      <211> 523
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(523)
      <223> n = A,T,C or G
      <400> 408
acatttgatg ttatgtgaat gttgagtttt tttcttctaa ttttcacttc agcagtgttt
                                                                        60
agggetttea gatgeettat teeagtgtga acagaaaaag tteatatttt atgtggttaa
                                                                       120
tgctttgatg tgtcacataa agagtagttt gtagaaaatg ttggcacaat tttaacttct
                                                                       180
tagtggcttg tgacattata tattatatat atatgtatat atatctttat aacattcctg
                                                                       240
tgtttagtag tgtaaatgtt ctgggcaagt tttaatattt tgaatgcctt tggatattcc
                                                                       300
agcaataaag gcatcatgtt ctgcaatagg atttcttact catttaccta ttttaacact
                                                                       360
aaaatagacc acaactgagc acaaattcct tttataaatg ttatagaagc agggaagaat
                                                                       420
aataaacaca tttgtgaatt gtggttcagt ttatttatct ttagggaagg ctgatcattt
                                                                       480
atcttatagc acataacccc agcctcttat tcattatggn taa
                                                                       523
      <210> 409
      <211> 191
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(191)
      <223> n = A, T, C or G
      <400> 409
accocgtagt gatgagcact gactggttca ctggccacat tttagttctt cataataata
                                                                        60
ggccacaaaa gggctctgtg gtttgcctcc atgtgcactg gcccctcccc acccctaggg
                                                                       120
ggcactcagt agctgctgag aaggcctgtc cacgangctg ttggaacccc ttcaataaat
                                                                       180
acttagaagn a
                                                                       191
      <210> 410
      <211> 403
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(403)
      <223> n = A, T, C or G
      <400> 410
acactggcca gtgtgttttt ggcgattaaa cataatcctg tgaatcagat taattcactt
                                                                        60
```

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gctgagtgtt catttgcggc atccctctgt tgggtcttgg gggccctcca cgacctcgtg
                                                                       120
gggctccccg tggtccactc tgcccagagc ctcgcttgaa attctgctga tatccatccc
                                                                       180
gttgatagcc agagtaatcc cggggagcac tgaactgaga ctgtgtataa ccactgtttg
                                                                       240
qaqtqttaga qaatqaaqqq cqqtaaccat catatcctcc tctqaatcca ttqqcaqqqc
                                                                       300
cccggtatcc attcatcaag cctctagcac cacgggagcc tccacgagac acaccacgac
                                                                       360
tattgtaata gggctgattg ctacgtggaa atccagtgnt ctg
                                                                       403
      <210> 411
      <211> 384
      <212> DNA
      <213> Homo sapien
      <400> 411
acqtqaaatc ataacaacat qttctcttgt qtttggcttc tcttgctcaq catqatattt
                                                                        60
ttacqqttca cccatattqc atqtatcaqq aatataatcc tttttattat tqaqtaqtqt
                                                                       120
tctattgtat gtatatacca cagtttattt ctcccttcat cctttgctag attttggggt
                                                                       180
tttttcacat tgcqctattc aagtataaac ctgctctcaa cattcatqtq caaqtctttq
                                                                       240
agtggacata tatttqccqt ttctcttgag tgaatgcacc ttqttqqqtc acqtqqctta
                                                                       300
atttaaaaaa attttaatca ctqtqqtqca tatqtaqtqa ttattaqtqa ttatctcata
                                                                       360
                                                                       384
attttatttt cttgatgact aatg
      <210> 412
      <211> 315
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(315)
      <223> n = A, T, C or G
      <400> 412
acaatatttc tcctttqaqa aqataqqata tatqattttc ccaaaaatca caactttqaa
                                                                        60
ggaagactta nttgctgact tcaattatat cctggaactg gcaacttgtg cccttccttt
                                                                       120
gcttcaaaaa aagtgtaaga aagagtgata agatcaactt taatcattct tggatcttca
                                                                       180
gcaaattcag gatcaatgta gaaaaacact ggcatatcta cttcctcttg gggattaagc
                                                                       240
ctttgttctt caaaacagaa gcactgtatt ttattgaaat actgtccacc ttcaaatgga
                                                                       300
acaatattgt atgna
                                                                       315
      <210> 413
      <211> 554
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(554)
      <223> n = A, T, C or G
      <400> 413
acaggtttca ctattacaaa tatatgatgt taaactaaca aactcatgac cttcaaagat
                                                                         60
qtcttcqtcc cacqcacaca catttgtaat ttgtqtccat ttqctatttc ccttcttcta
                                                                       120
taatcttcaa attatatagt tatgcattga gttccctatg catctcaccc atctccttta
                                                                       180
tctcagcctt ctcatacttt gccattctct tctttctgga aataaccagc acaacaattc
                                                                       240
```

```
cagcaacaac tgctatcacc acaaccacaa taacagcaat aacaccagct tttagaccct
                                                                        300
gcattgagaa ttcaggtgct ttttcatcaa cataataaat taaagtttga ccaggatcca
                                                                        360
gatccagttg ttccccattt actgtcaggt gccattttct tagaatgaaa caaggattca
                                                                        420
cctttaacat ctttttcaaa ataataagcc acatcagcta tgtccacatc attctgagnt
                                                                        480
ttttgagaag aattttgaac cagatcaata gtgataacat tattctcata caaaatactc
                                                                        540
                                                                       554
gngataaatt ntgg
      <210> 414
      <211> 267
      <212> DNA
      <213> Homo sapien
      <400> 414
accagaaagg cacacgattt tacaatattt gttggaatta ccttactttt taacctcctc
                                                                         60
atagcagttt tggtttgagt atattgatga aagccaaagt ctggtatcta aaacttgggc
                                                                       120
caatgtttcc caactggtat atgtcaggct ttcccaatag cttaactgtg accctatacg
                                                                       180
gatggctttt tagatagttc tatactgctg tattgtgtta gcacttttct ttgtcattaa
                                                                        240
caacacactt taaatgacat ttggtga
                                                                       267
      <210> 415
      <211> 454
      <212> DNA
      <213> Homo sapien
      <400> 415
accggaacct gcagaaacag tgtgagaaat taagtcctgg ttcactgcgc agtagcaaag
                                                                         60
atggtcaagg ccatggaaaa agcagaaatt taccaagaaa gctgataccc atgtatagtt
                                                                       120
cccactcatc tcaaatacat ctgctatctt tttaagctaa gtcctagaca tatcggggat
                                                                       180
aacatggggg ttgattagtg accacagtta tcagaaqcag agaaatgtaa ttccatattt
                                                                       240
tatttgaaac ttattccata ttttaattgg atattgagtg attgggttat caaacaccca
                                                                       300
caaactttaa ttttgttaaa tttatatggc tttgaaatag aagtataagt tgctaccatt
                                                                       360
ttttgataac attgaaagat agtattttac catctttaat catcttggaa aatacaagtc
                                                                       420
ctgtgaacaa ccactctttc acctagcagt atga
                                                                       454
      <210> 416
      <211> 370
      <212> DNA
      <213> Homo sapien
      <400> 416
ccgacacggt gccagcgccc tgctgcgtgc ccgccagcta caatcccatg gtgctcattc
                                                                        60
aaaagaccga taccggggtg tcgctccaga cctatgatga cttgttagcc aaagactgcc
                                                                       120
actgcatatg agcagtcctg gtccttccac tgtgcacctg cgcggaggac gcgacctcag
                                                                       180
ttgtcctgcc ctgtggaatg ggctcaaggt tcctgagaca cccgattcct gcccaaacag
                                                                       240
                                                                       300
ctgtatttat ataagtctgt tatttattat taatttattg gggtgacctt cttggggact
cgggggctgg tctgatggaa ctgtgtattt atttaaaact ctggtgataa aaataaagct
                                                                       360
gtctgaactg
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      <210> 417
      <211> 463
      <212> DNA
      <213> Homo sapien
      <400> 417
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60
acactttata tattccaaat tgatcagata tatggtttgc aaattcatct caatctgtag
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cttatctttt cctcttctta aatcacaagt ttttaaattt tgaagaagtc caatatatca
                                                                     180
gattttgtct tttatggatg tgctttcggg gcaaagtcca agaacttgtc acctagccca
                                                                     240
agatectgaa gatttttete etgtggettt ttteaaagtt atetagtttt atgtateaca
                                                                     300
tttaagtccg ttatacattt tgagttaaat tttatataag atgtgaggtt taagtagagg
                                                                     360
ttcttttttc tcctcgccat gggtgtctaa ttgctctagc ataatttgtc agaaaggcta
                                                                     420
ttcttcctcc attgaattgc tttttcactt tttcaaaatc agctgagcat atttatatgg
gtttatttct gggttctctc atctgttcca ttgacgtatq tqt
                                                                     463
     <210> 418
      <211> 334
     <212> DNA
     <213> Homo sapien
      <400> 418
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                                                                      60
120
                                                                     180
ttttaaatca cattaatttt accaagtgaa accaagccat actgtttttg agccaattaa
gaaaattgcc atttttaaag tgtagcattt cagggtaaag acccatgaaa tggcttgatg
                                                                     240
tattctagac tactgaaaga aaaccacttc aaagattttg ttgaaagttt tagtgttgtc
                                                                     300
tgaaatgcaa gagggaaggt gattggtagt gagt
                                                                     334
     <210> 419
     <211> 297
     <212> DNA
      <213> Homo sapien
     <400> 419
                                                                      60
acttetttga ccaaqqaata ccacaqacac cctaccgata gaacagtggc tcagatetta
cttgctcctg cttacgaagt attcccaatc actggtcatc tgaccctact tgaacactcc
                                                                     120
tgaacagtca tgttttttaa aatcttcctt tatatcaagt cagagagtat acttctataa
                                                                     180
                                                                     240
atttcactca tggatgttag gaaatctagt catcttccct gtgattgccc tgttaagtat
                                                                     297
ttaaccatag ctatcatgtg tttcccaaat cttctctaga ttaaatatct tcagtta
     <210> 420
     <211> 418
     <212> DNA
     <213> Homo sapien
     <400> 420
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                                                                      60
                                                                     120
ccatcatagg aggetteatt cactgattte cectattete aggetacace etagaceaaa
cctacgccaa aatccatttc gctatcatat tcatcggcgt aaatctaact ttcttcccac
                                                                     180
                                                                     240
aacactttct cgqcctatcc qqaatqcccc qacqttactc gqactacccc gatacataca
ccacatgaaa tatcctatca tctgtaggct cattcatttc tctaacagca gtaatattaa
                                                                     300
                                                                     360
taattttcat gatttgagaa gccttcgctt cgaagcgaaa agtcctaata gtagaagaac
                                                                     418
cctccataaa cctggagtga ctatatggat gcccccacc ctaccacaca ttcgaaga
      <210> 421
     <211> 304
     <212> DNA
     <213> Homo sapien
     <400> 421
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```
acgectggae ecetgtgaet tgeagectat etttgatgae atgeteeact ttetaaatee
                                                                        60
tgaggagctg cgggtgattg aagagattcc ccaggctgag gacaaactag accggctatt
                                                                        120
cgaaattatt ggagtcaaga gccaggaagc cagccagacc ctcctggact ctgtttatag
                                                                       180
ccatcttcct gacctgctgt agaacatagg gatactgcat tctggaaatt actcaattta
                                                                       240
gtggcagggt ggttttttaa ttttcttctg tttctgattt ttgttgtttg gggtgtgtgt
                                                                        300
                                                                        304
gtgt
      <210> 422
      <211> 578
      <212> DNA
      <213> Homo sapien
      <400> 422
actgtgcagg cagattcaca gggtggtggt aaagcatcca caatggctct ggcagcatca
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ggatcacact tgaaggggct ctcagacaaa gttgtattca tgcaactgat tccttttcca
                                                                       120
ttcgttttct tagtcactaa tgctttccaa tggtcatgag tgcttttaat aatatcaatg
                                                                       180
gcaaagtcct tatctttaaa ttctgcatta aacgcaaact cattttctgg ttttccatca
                                                                       240
                                                                       300
ggaaccttat accttctaaa ccagtccaca gtagcttcta agtagccagg tttcagccgt
ttgacatcat tgatatcatt ataattggct gcatcaggat catccacatt aatggcaatg
                                                                       360
actiticcagt cggtttcccc ticgtcaatc atagccaata tgcctagaac titcaattat
                                                                       420
ttatttcacc tcttgcacat accttgcttc caatttcaca cacatcaatt gggtcattgt
                                                                       480
caccacaaca gccagtatgt ttatcattgt gccctgggtc ttcccaagtc tgagggatgg
                                                                       540
caccatagtt ccagatatat cctttatacg ggaacaaa
                                                                       578
      <210> 423
      <211> 327
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(327)
      <223> n = A, T, C or G
      <400> 423
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ctgcaataga atcaaaattt gaaactgaaa tctttgttta aaagggttaa gttgaggcaa
                                                                       120
gaggaaagcc ctttctctct cttataaaaa ggcacaacct cattggggag ctaagctagg
                                                                       180
                                                                       240
tcattgtcat ggtgaagaag agaagcatcg tttttatatt taggaaattt taaaagatga
                                                                       300
tggaaagcac atttagcttg gtctgaggca ggttctgttg gggcagtgtt aatggaaagg
gctcactgnt gntactacta gaaaaat
                                                                       327
      <210> 424
      <211> 384
      <212> DNA
      <213> Homo sapien
      <400> 424
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                                                                        60
tataactata gtaaaaaatt aatatatatc ctattacata aatgttattt cttaggtgtt
                                                                       120
ccattaagaa gagcaataga ataatgctaa aaaataatgc ctataaatct tcagagtata
                                                                       180
aagacatcca ttcagaaaca aaaattagca ctaaattttt tataaaatag accagatgac
                                                                       240
aaaatttatt ttatttttaa acagtggttt tgacacaaat tatgttattg aaaagcatta
                                                                       300
ttaatgttta atttatttaa aattttggaa tttgccattt ctcagagaat gatcaggcct
                                                                       360
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$\cdot$	
taggaaatta atacagtagt agta	384
<210> 425	
<211> 255	
<212> DNA	
<213> Homo sapien	
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actatcaggc tttgtgctga tttcctgaac aaactgcatt atattatgaa aacaaaagga	60
aaagaagaaa taataaaaac tatactccca tatttcactt acagtgtttg agttcctgga aggacctata taatggaggc agcattcaaa caagaaatta tgccaatcaa ctgtcaaatt	120 180
ttcactataa ttttcctaaa aaggcgtttt tcccccaata tctattaatc tcaaagaaac	240
ataagttgtg aatgt	255
<210> 426	
<211> 196	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(196)	
<223> n = A, T, C  or  G	
<400> 426	
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actoctgtta catcacacca tggcaatgat tttacattct ccaactgatt caaatcatat	120
ggcagctagg gatttggggg ctccatgttt tatttcaatt gcaagttcaa gatttctttt tatctttgtg ggctga	180 196
<210> 427	
<211> 163 <212> DNA	
<213> Homo sapien	
<400> 427	
acagaagate catggaggea agtgetgtea ggaaggacae tgeeteeete cacceteeea	60
aatgtcacca ccaagttcct tcaggtgaga cctcacacaa tgtcaagtgc tttctaggaa	120
atactaagat caggttgaga gattctgctt ggtctagtca atc	163
<210> 428	
<211> 315	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(315)	
<223> n = A, T, C  or  G	
<400> 428	
nactgagtan agatgctggg gaatgtgcaa tatgccttga agaattgcag cagggagata	60
ctatagcacg actgccttgt ctatgcatat atcataaagg ctgcatagat gaatggtttg aagtaaatag atcttgccct gagcaccctt cagattaagc gtcagcttcc tgttttatag	120 180
	100

```
gttttcttgt cttgacaaga tgcttgaaaa accaagagga tatgaaaatc tgtctctgga
                                                                        240
gaaacaaaga cgcaggcata ctcagccaga aatctgagtt ttgtgagact tggtaataca
                                                                        300
gagatggaca atcgt
                                                                        315
      <210> 429
      <211> 131
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(131)
      <223> n = A, T, C or G
      <400> 429
acagttaggn actagaacat ttgttaagcc tcccaaagta gngtgcatgg aagattctag
                                                                         60
agtgtccagc tcttgcacta caaatgtaat aataacagaa taaatacact taccctgatg
                                                                        120
atattgaggg t
                                                                        131
      <210> 430
      <211> 503
      <212> DNA
      <213> Homo sapien
      <400> 430
actgattttt aataaaagaa ataaggttca aagtttagca caacaacaca gcaataagaa
                                                                         60
gctgacaact tggataaaaa tacaagaaag taacacagag cccaggctac ccattattta
                                                                        120
ctgtgtgcat acaggaatgc tatacttcag atgtataaat tagagactga ttttaagtta
                                                                        180
ttaatttaac tactttttgt ccactgtgct aaactaaatt ttatactaat gtgctactgc
                                                                        240
gtaaacactt caaagcaatc ttcattaaaa tgctgcaaag aaaaacaaga atacacatca
                                                                        300
tocaaaacta aggatgtoat tgoagttoac agtttgtata ataaatacco tocotttoaa
                                                                        360
tcactactaa gatcactaca tcctatctac tcatcagcac aaccttgaag caacttatac
                                                                        420
ttacaaatat tagcaatgca gccaaacatt tgttttttgc aaagcaacta gtaaaaatca
                                                                        480
agaattttaa ttaagacggt gca
                                                                        503
      <210> 431
      <211> 207
      <212> DNA
      <213> Homo sapien
      <400> 431
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gggccgccaa cgtcgtgggc cctactatgt gctttgaaga ccgcatgatc atgagtcctg
                                                                        120
tgaaaaacaa tgtgggcaga ggcctaaaca tcgccctggt gaatggaacc acgggagctg
                                                                        180
tgctgggaca gaaggcattt gacatgt
                                                                        207
      <210> 432
      <211> 485
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(485)
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## <223> n = A, T, C or G

$(223)^{\circ} H = H, I, C C$	JI G				
<pre>&lt;400&gt; 432 aaaaaaagta atggaaaaat g attttgttt atctgctaaa a aatttacttc tgaagagctg t ttatggact gctgaattaa g aaagtgaacg tggaaaaaag g aattccaagc cacagagcct t atatgacact tgggatatgc a ctttttcca aaggnagnca t catgt</pre>	acactaatat tegagaette etaceegaaa eettetttge tgatatteet acaatgggaa	ctataaatat aataaaatat agtatcagtt aaaagtcctt ggattctgtt agggtaggat	gaactgacag aagcaagtta actttcaaag ttattagtcc ttaagtaacc atgtgaacaa	catcgttcta ctggatcata aacacaaaac tatcctctaa ttagttttaa aatttaattt	60 120 180 240 300 360 420 480 485
<210> 433 <211> 280 <212> DNA <213> Homo sapier	n				
<pre>&lt;400&gt; 433 actgtcacta caatattaca t agtgaggtat ctctaaggca c tcactgtgat ttggaaatga t ttttattaaa atggctcaat t cttttcctct gggcacacca t</pre>	catagtagaa tttaatcttt ttgtgttgat	aacaaaattg atagaatgag aaggattgca	gttaattact aaccttttt	caagttcctt ggactagctt	60 120 180 240 280
<210> 434 <211> 234 <212> DNA <213> Homo sapier	n				
<400> 434 ctttgctgcg catcaggtgc t ttctggaagc atcattgagg a ctaacaatta aaagaaatat g taagaagttg ctataaatat g	aagtagtcca gccaaaggat	gtgaagttag ccataaggga	ctctaaaaaa tgaataaatt	actctttact attaaactat	60 120 180 234
<210> 435 <211> 330 <212> DNA <213> Homo sapier	n				
<pre>&lt;400&gt; 435 acctcccgtg tcaccagttc c ctgtttgtgt cttcaggctt c atgcgaccag gacattggaa a tcctcatcaa tcattacact a gtgtgtagga aagccatgcc c tccacgacga aattggtgcc t </pre>	cttctgcaga agagaacttg acggctattg ccttgccatg	gcttcggggg acatcagcca agtgcatgtc	ctacccaggc tgctaattcg gtgggatgag	aggtgcatac ggcagtcatg gggctctagt	60 120 180 240 300 330

<sup>&</sup>lt;211> 311 <212> DNA <213> Homo sapien

<pre>&lt;400&gt; 436 acaactttac aatggaattg tatttcaatg attattttga tatcagatta aaccttccaa aaagttacac ataattcagg tctattttt ctaccagtaa gagttctgct aaattacaaa accccataat cacagtgttc agtttttaaa aaattaaaca cacagtaatc ctgtcaatgt taatcaaaat caaaacttcg gaatgccgtg gcatttatgt gaccaatctg agttttagat acaaatacca gctgtttatc ccatgaacca tttttcctag gctgaggctg tgaaaaatcg aaagtcggcg t</pre>	60 120 180 240 300 311
<210> 437 <211> 355 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 437 actagtggat gggggtcagg gtgtcactcc aaggccctct acagacccag agaagaggaa agtcaaaaaa gccagatatg agactgctga agtggtgtta agaaatatag gcaaggtaaa gggaacaaga tctgggctcc ctcctacttg tgtccctcac tggacctcag acaccctacc tctaagactg gttcttagaa ggctgaacag taaggagcat tccaatagct tctgaaactc ccaaggctgt ttcaagtagt cgaaagccat ccctggactg ttcaggtgcc ttttctattt cccacctgag ctctctgccc tttctttgag cctcacaggt ttccagaatt acagt</pre>	60 120 180 240 300 355
<210> 438 <211> 431 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 438 acagtaactt taactttaca tagagctgag ataaaaataa agctttctta caaattacat tttttttcca gtgaattact tttgcagtaa aaatagctgc tacataaatc cctcctgatc tctgaaaagg agttgcatat ttccaaaaat aatattctta ttttaatcac acagaagaac gtggagcaca ggaaggaaat ggctgggtgg tcagagagag gtgagctgtc ggagaaacac agttaaacta aaaaataaaa tccattttgt gtataaactg acttaaacgc atgcaaagaa gtggaaaaca tatgccattt gtcaagaaaa atactgcttt atagctttta ctttacaatt aaaggagaaa gcagaggcca gatataagcc cagataataa catttaagtt tctcataaaa ctcccaaatg t</pre>	60 120 180 240 300 360 420 431
<210> 439 <211> 170 <212> DNA <213> Homo sapien	
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<210> 440 <211> 400 <212> DNA <213> Homo sapien	
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ttgetteaeg caegeeteae ataceagaet gaatgttgge aggaggagtg aceaggtegg teatetgtgt ecetaceaec taeaaeagge cageaateta ecegtgtgtg tttgttggae agaattaaec atgatgggeg geegagggeg eetggageta tttggggget tggagagaae etettaggag agtgteagge tetaggeeag tgteaeeaga ggaggteagt eteagteett ggagtggtgg gatggaaaec agaegggaet ggeatggtee	180 240 300 360 400
<210> 441 <211> 204 <212> DNA <213> Homo sapien	
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<210> 442 <211> 649 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 442 acatttaatt ttttacaaca ttttctccct agagatataa tttagatatt cctatcttca aagtaaaaat caaaatagga aataagcata gaaacagcct attggcagtg gttacacctg catggtattt atgagtctcc aaactattgg aaatttattt caaccaaggt tctcttaagt cttcattact tgggtgtaac tcgagagaaa actaatttat atcaatttac agtttagtgg tcatgatcag gggaaagtga tactcttcca ctgactacaa gtcattgcag aggcagttta gaacttttcc tttattccta atatacagga caaaccttgc cgacatctca ctacctcaaa aatcaaattt aaatgaagta tccaggagta gcctaaagaa tgagtgtaat ctggatggat tttagtctaa atttatgcct tgctcttcag taaagtatag taactccaga tatatgttcc acagatgcaa taatttctgt tccttgttcg gtgcagaata taatttatac ttcctgaaat caactttgtc tattcatgaa aatagctgct ttttatttgc ctttgtcca ctttgaatat atatgatcca caggttacag acttttccaa taactacatt tcaacttgt</pre>	60 120 180 240 300 360 420 480 540 600 649
<210> 443 <211> 346 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 443 acgtgggatt gaaatgcaca tacatgttt tgctaagagc acatacattt cattctctc actttgttca taacctcagc attgtcagat aacctcagtg agttaactca aagcctttta ttatggaaag aactggcaca gttacatttg ccagtggcaa catccttaaa aattaataac tgatgggtca cggacagatt tttgacctag ttccttttc ttttagagca aaaagaactt ttacctcggc atccagccca acccctaaag actgacaata tccttcaagc tcctttgaaa gcaccctaaa cagccatttc catttaata gttggatgcg gattgt</pre>	60 120 180 240 300 346
<210> 444 <211> 425 <212> DNA <213> Homo sapien	
<400> 444	

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accaatttcc ttttacagta aaggggcttt tcctgttgct tgttgaaccg gttcccagct
                                                                         60
gcccattacc accaagccca aaagagtaaa ttcgtcctga tgaaggaaca aaagcagaag
                                                                        120
tgtgctgccg tccacaagca atctcagtga caatgcttcc cataagttca aaaactttcc
                                                                        180
ttgggtttat ttcatgactg gtagaattat ggcccaactg accataccct ccagctccaa
                                                                        240
aagtaaacac tccaccttcc ttggttagag cagcagtatg atcttctcca caacaaatat
                                                                        300
aaactatttt ctgagatett agtgaettta gtaaattagg aacataeeta teatttteat
                                                                        360
cattaagacc tagctgacca aacttgttgc gtccccatcc aaagatagct ccagaaaggg
                                                                        420
tgagt
                                                                        425
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      <211> 210
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(210)
      <223> n = A, T, C or G
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                                                                         60
agtttgattg catataaatg tggaacttga tagatctcta tatttttaat gcacttgtga
                                                                        120
taaactggca gcagggttag acattacttt caaagcttga ggtagaccga gtcagcatgc
                                                                        180
tagacaggct tctctctcta accaaaactg
                                                                        210
      <210> 446
      <211> 326
      <212> DNA
      <213> Homo sapien
      <400> 446
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                                                                         60
cgtgacaggc tggaagagca aatgctgctg agcattctcc tgttccatca gttgccatcc
                                                                        120
actaccccgt tttctcttct tgctgcaaaa taaaccactc tgcccatttt taactctaaa
                                                                        180
cagatatttt tgtttctcat cttaactatc caagccacct attttatttg ttctttcatc
                                                                        240
tgtgactgct tgctgacttt atcataattt tcttcaaaca aaaaaatgta tagaaaaatc
                                                                        300
atgtctgtga gttcattttt aaatgt
                                                                        326
      <210> 447
      <211> 304
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(304)
      <223> n = A, T, C or G
      <400> 447
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                                                                         60
catattcaaa gtcttcacng ggatgtcgtt ctgtaatttc ctgcgtttgg gtctcttcca
                                                                        120
gaaacagctt tagcttcctg ctccgaaggc caaacacctt ggctgcttca tacagaagac
                                                                        180
cttggtgggt gagtccattc tgcccaagtg ggttttcaag caggagagtg cccactgtcc
                                                                        240
ccattaaaca ctcttgtggc tttgcattca ggagctgtag gttgatatac tgacaaggaa
                                                                        300
```

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gagt
                                                                        304
      <210> 448
      <211> 203
      <212> DNA
      <213> Homo sapien
      <400> 448
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                                                                         60
agggcatttt cattagttgg acaaacaacc ttataaaccc ttatgtcaaa ccatataatg
                                                                        120
tgaagaatct ccatgggaga gatttttttt caccettcag aattatettt tteeectaag
                                                                        180
accttcatat gaatcttcct tgt
                                                                        203
      <210> 449
      <211> 481
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(481)
      <223> n = A, T, C or G
      <400> 449
acttgttcta taatactctg atgtttcctt aaattcctga acaacattct gtttactaaa
                                                                         60
tttcttttct tcctttattc acaccaaatt ccaccctata atagaagcta attatttcag
                                                                        120
aaagcttttt agtgatcatt tattactttg tgtttactag atattaattc taagatgaat
                                                                        180
tcctttagaa ttttagaaaa aattattcta gacaacaatc aaagtaaagg atacatccag
                                                                        240
cattgaaacc ataagccggc aagtctccag gttaaaaggt ttgtatcctc cagcaatqcc
                                                                        300
agactgtgtc agacatctct gcaattcatc agcatctatc tgcccatcct gtccaqctac
                                                                        360
agcagcaaag taaccataca gcggatcctg agtttgtccg ggaaacgcag gccctccqqq
                                                                        420
agcccctcca tactgcatct tgagttgaag tcttatangt agaagctggt gatccttaga
                                                                        480
                                                                        481
      <210> 450
      <211> 296
      <212> DNA
      <213> Homo sapien
      <400> 450
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                                                                         60
aaacactcaa aacattttcc attggaaaca tgtaaagaca atatgaggtt ttgttaccat
                                                                        120
cttactgcaa ttttcttatg tgttactagt ctacataccc catgttttct gtaatcatgc
                                                                        180
agatgtgaat ggaagtttga atgattaaat aaatgaaaag tccgtttact gcagggaatc
                                                                        240
atttcacaag gcagccaaac cgggtttaga gaacaaaact attcaagaaa ttctcc
                                                                        296
      <210> 451
      <211> 294
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(294)
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<223> n = A, T, C or G
      <400> 451
acatgntcca aggcacgcgn ctgtgaactt cctctgagtg aaggcatccc ctccagcacc
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tttcagcctg ctagttagga cgacccgccg ccaccctcca ggacctccag ccctgcactg
                                                                        120
                                                                        180
cctttcctct cttttaaata attcttcatt gagttctaat atgtaaaaaa aaagtttact
                                                                       240
qtaaagtttg caaataanga aattttttt aaaagtcctc agtaatctta ccagtaacaa
ttgttatggg cacatttgct tttggaagat ttcttttgta tgcatgggat aagt
                                                                        294
      <210> 452
      <211> 129
      <212> DNA
      <213> Homo sapien
      <400> 452
                                                                         60
acttttagat cacaaatttg cctttaagta acacataata cacttaaggc agatttgcct
                                                                        120
tacaggtggc ctcagcttct aaacaccact acactgcttt atataaaaaa caaaaatcac
                                                                        129
atagaagag
      <210> 453
      <211> 151
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(151)
      <223> n = A, T, C or G
      <400> 453
                                                                         60
actctcaann tgtatttagg tgccaacaca tttaggatca ttgngnnttc tcagtgaatt
qaccttttta tqaqaataaa atqtctattt ctqaaatqtc cctatttctq qaaatqttcc
                                                                        120
ttatactaaa gtccaacttg tgtggattan t
                                                                        151
      <210> 454
      <211> 119
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(119)
      <223> n = A, T, C or G
      <400> 454
                                                                         60
tgctgatgna gcatgctttt taaatccttt aaaaacactc accatataaa cttgcatttg
                                                                        119
agettgtgtg ttettttgtt aatgtgtaga gtteteettt etegaaattg eeagtgtgt
      <210> 455
      <211> 515
      <212> DNA
      <213> Homo sapien
      <400> 455
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60
accttataaa qttccttttc atccttctct gtcttcaact qacattcaag ttgttctctt
tcatgttgtg ccttcttgag tttggccttt aaactgtcta attcggtttc tttttcaatt
                                                                       120
gctttatgtg ttactgacac aatatcttcc tcaagctgat gggctttgga tgtagcatca
                                                                       180
                                                                       240
ctgaacctct tcttaaactc ttcattttcc atttttaagc tttgtgttac ttcagtaaga
cccttttgtt ctgcttgcag ttggtcacat ctttctttct catggttaag ttctctttcc
                                                                       300
attotoccaa cttgttotog aagttgtgot gtttottttt ccagaacggo aattaacttt
                                                                       360
                                                                       420
aacagttett ettttettt catggtttte teaattttea aeteaagaag geetgetttt
                                                                       480
gtggtcacca ctaacatgtc agaatttcct tcatcttcca tagtaagcag ctcttcaact
                                                                       515
ggagaagaag ctcgaaactg gaaaggtgta cctgc
      <210> 456
      <211> 350
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(350)
      <223> n = A, T, C or G
      <400> 456
actoccotco ccaaatagaa acotcaaaga ctgatccatt toccotaggg cotgggccag
                                                                        60
gagtagetea etgeteactg etgaggagaa aggeacaaga tataatgtea taagageagg
                                                                       120
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                                                                       180
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tetggteetg tecetgeace accetgagea getagtettg ggaagggatt acaggeeetg
ggccatagge tgetegeeat tetgetttee tateetgttt etetecetgt getgeteeet
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      <211> 293
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      <400> 457
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                                                                       180
attgcatgtc ccctggaagg aggtcctgct cacagcctca cttctaacct tctggaaccc
                                                                       240
acceaceact gecaagetea etattgaate caegeeatte aatgtegeag aggggaagga
                                                                       293
ggttcttcta ctcgcccaca acctgcccca gaatcgtatt ggttacagct ggt
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      <211> 500
      <212> DNA
      <213> Homo sapien
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tatagatata tttaaaatag agaatacttt ccaagcaata catgatgcct ttcctaaaag
                                                                       180
actctaaaag aaaaagattc tgtaactctc ttttagcacc aaattattgt ttatcttgct
                                                                       240
ggatatttta tatgaacagt gttaatttag atgcactaaa gcaaaggtag gcaaactaca
                                                                       300
accatqaqtc aaacatqqcc acacccattc atttgctatt gtctaagctq gttttgcact
acaactgcag agttgaatag atgcagcaga tcctttacag aaaaagtttt ctgacctcaa
                                                                       360
                                                                       420
ttctaaagta attgtagtag ggagctggag gactttcttt ccctttatgg taattttttg
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agctacaaaa agagccttgc agaaatgggt gaagggatta atcttttaaa aataaatgct
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<210> 461 <211> 278 <212> DNA <213> Homo sapien	
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<210> 462 <211> 556 <212> DNA <213> Homo sapiens	
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in the property of the second section of the section of the second section of the section of th

```
ggccttcttg aggttgccag tctgctggtc catgtaggcc acqctqttct tgcagtggta 240
ggtgatgttc tgggaggcct cggtggacat caggcgcagg aaggtcagct ggatggccac 300
ateggeaggg teggageest ggeegeeata etegaactgg aatecategg teatgetete 360
geogaacceg acatgeetet tgteettggg gttettgetg atgtaccagt tettetggge 420
cacactgggc tgagtggggt acacgcaggt ctcaccagtc tccatgttgc agaagacttt 480
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<212> DNA
<213> Homo sapiens
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agtgcacgga agtcacaact ggtctatcag tccagacggg ggcctttggt caaatattct 180
tetgattact tecaageece etetgaetae agatactace cetaceagte ettecagaet 240
ccacaacacc ccagcttcct cttccaggac aagagggtgt cctggtccct ggtctacctc 300
cccaccatcc agagetgetg gaactacgge ttetectget ceteggacga getecetgte 360
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gggcacttca acggcttccq cacggtcatc cgccccttct acctgaccaa ctcctcaggt 600
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<213> Homo sapiens
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tcgaaggaat gccagctgca catcaaggac atcttcagga agttcaggat tgccgtagct 180
aaactgaaaa ccaccatcca tggactctcc aaaccaaacg tgtttcttct cagcactaga 240
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agtttccata ttacagaata ccttgatagc atccaatttg catccttggt tagggtcaac 360
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ggggttttta cgagaaccat caggactaat gaggctttct atttgtccat taacagactt 480
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cggggcaaaa ccgccagctt tttcacctcc aatcccagca atggcagcgg ctccaacacc 600
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tggggagccc tcagatcctc tttcacctct gttac
<210> 465
<211> 73
<212> DNA
<213> Homo sapiens
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ttcggtttcc agt
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<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
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tttaagtgta actgagaatc cgttaaatat gcccttgtac ttttgggggt ccacctgcat 240
acggcatttc actaaatcca ggggaaccac agcagtgtgt gtcagaccac aacttaagac 300
cccaccaaag ccacacagtg cataatactt cgcggagcca aattcacaac tgtactcttc 360
cacggcggcg gctgccaggt tgcgagggcg gcggggctgg cccgtgggcc ctggggagct 420
gctgcggagg tccccgagac catcgtgcac canctgcaga tgtggcgtgt tgaaggggtt 480
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cgcccgcgcc aggtgcgcca cggacga
<210> 467
<211> 183
<212> DNA
<213> Homo sapiens
<400> 467
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ccq
                                                            183
<210> 468
<211> 129
<212> DNA
<213> Homo sapiens
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<222> (1)...(129)
<223> n = A, T, C or G
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acnccaang
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<211> 243
<212> DNA
<213> Homo sapiens
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<221> misc_feature
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<222> (1)...(243)
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tttgaaaaga aatttcagtc tgagaaggca gcaggctcgg tgtccaagag cacgcagttt 180
gagtacgcct ggtgcctggt gcggagcaag tacaatgatg acatccgtaa aggcatcgtg 240
ctg
<210> 470
<211> 452
<212> DNA
<213> Homo sapiens
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cgaggtgaac ggtgcggggg cgcaccctct cttcgccttc ctgcgggagg ccctgccagc 120
tcccagcgac gacgccaccg cgcttatgac cgaccccaag ctcatcacct ggtctccggt 180
gtgtcgcaac gatgttgcct ggaactttga gaagttcctg gtgggccctg acggtgtgcc 240
cctacgcagg tacagccgcc gcttccagac cattgacatc gagcctgaca tcgaagccct 300
gctgtctcaa gggctcagct gtgcctaggg cgcccctcct accccggctg cttggcagtt 360
gcagtgctgc tgtctcgggg gggttttcat ctatgagggt gtttcctcta aacctacgag 420
ggaggaacac ctgatcttac agaaaatacc ac
                                                                   452
<210> 471
<211> 168
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A, T, C or G
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taccatgtcc atcagggtga cccagaagtc ctacaaggtg tccacctctg gcccccgggc 120
cttcagcagc cgctcctaca cgagtgggcc cggttcccgc atcagctc
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<210> 472
<211> 479
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(479)
<223> n = A, T, C or G
<400> 472
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tggagcetca neagtteeet ettteanaae teaetgeeaa gageeetgaa eaggageeae 120
catgcagtgc ttcagcttca ttaagaccat gatgatcctc ttcaatttgc tcatctttct 180
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```
gngtggcgca gccctgttgg cagcgggcat ctgggtgnca atcgatgggg catcctttct 240
gaagatette gggecaetgt egtecaetge eatgeagttt gteaaegngg getaetteet 300
catcgcagcc ggcgttgtgg tntttgctct tggtttcctg ggctgctatg gtgctaanac 360
tgagagcaag tgtgccctcg tgacgntctt cttcatcctc ctcctcntct tcattgctga 420
ggntgcagnt gctgaggtcc gccttggtgt acaccacaat ggctgagccc ttnctgacn 479
<210> 473
<211> 69
<212> DNA
<213> Homo sapiens
<400> 473
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ctcggtagt
<210> 474
<211> 155
<212> DNA
<213> Homo sapiens
<400> 474
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gtccagagag ccgcggcgcc tcgttccgag gagccatcgc cgaagcccga ggccgggtcc 120
cgggttgggg actgcagggg aaggcagcgg tggcg
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<210> 475
<211> 282
<212> DNA
<213> Homo sapiens
<400> 475
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tcaaaagcca aaaaatggga gacaatttca catggacttt ggaaaatatt tttttccttt 180
gcattcatct ctcaaactta gtttttatct ttgaccaacc gaacatgacc aaaaaccaaa 240
agtgcattca accttaccaa aaaaaaaaa aaagggcggc cg
<210> 476
<211> 434
<212> DNA
<213> Homo sapiens
<400> 476
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gctctgcatg atgctggcca ggacgccgaa gtccagcacg gtgctggcgt ccagcatgaa 240
geagtetteg aggggegtga geacgteete caeggteegg eagegeagea egeeettget 300
gagategetg taggggtege egeegeegeg egeeagetee ageaeceget eeegeageeg 360
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<210> 477
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<213> Homo sapiens
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tgtacgagat ccctggactg gagcccatca cctttgcggg gaagatgcac ttcgtgccct 180
ggctggcgcg gccgatcttt ccgccctggg accgcggcta caaggaccca aggttctacc 240
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accepttgccg cctt
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<210> 478
<211> 317
<212> DNA
<213> Homo sapiens
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tttattgatg gctaccggca gaaggactcc tatatcgcca gccagggccc tcttctccac 120
acaattgagg acttctggcg aatgatctgg gagtggaaat cctgctctat cgtgatgcta 180
acagaactgg aggagagagg ccaggagaag tgtgcccagt actggccatc tgatggactg 240
gtgtcctatg gagatattac agtggaactg aagaaggagg aggaatgtga gagctacacc 300
gtccgagacc tcctggt
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<210> 479
<211> 171
<212> DNA
<213> Homo sapiens
<400> 479
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<210> 480
<211> 65
<212> DNA
<213> Homo sapiens
<400> 480
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ggagt
<210> 481
<211> 207
<212> DNA
<213> Homo sapiens
<400> 481
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gccagtttgc cctctcaggc tcctgggatg gaaccctgcg cctctgggat ctcacaacgg 120
gcaccaccac gaggcgattt gtgggccata ccaaggatgt gctgagtgtg gccttctcct 180
ctgacaaccg gcagattgtc tctggat
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<210> 482
<211> 319
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(319)
<223> n = A, T, C or G
<400> 482
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agtgcacgga agtcacaact ggtctatcag tccagacggg ggcctttggt caaatattct 180
tetgattact tecaageece etetgaetae agatactace ectaceagtg ettecaaact 240
geacaacace enagettnet ettecagnae aagagggtgt eetggteeet ggeetaeete 300
cccaccatcc agagetget
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<210> 483
<211> 233
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A, T, C or G
<400> 483
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acaaccactt gatcacgcgg gcattgcgct ccaccaccga cacgccatag ggaacgcgct 120
cccgggcccg ctcctcaaca gtcaccgagc tgcggcggga gcagccccct tcagagctgc 180
ccggcccagc actgggccct gccagggaca cnatatccga gctggcccgt gcc
<210> 484
<211> 194
<212> DNA
<213> Homo sapiens
<400> 484
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gatagatagc atgtaagggg gtggttgtcc caggaggcag ctgctgacag gtttgctaca 120
cacageceeg gaetgtgttg cetgggtget catteagaga ggggetatea tetgggagee 180
tgtgcccctg ggtc
<210> 485
<211> 67
<212> DNA
<213> Homo sapiens
<400> 485
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gggaagt
```

```
<210> 486
<211> 70
<212> DNA
<213> Homo sapiens
<400> 486
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atcgctcagt
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       <211> 257
       <212> DNA
       <213> Homo sapien
       <400> 487
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                                                                        120
 tttcaccgct acacgaccgg gggtatacta cggtcaatgc tctgaaatct gtggagcaaa
                                                                        180
 ccacagtttc atgcccatcg tcctagaatt aattccccta aaaatctttg aaatagggcc
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 cqtatttacc ctataqt
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       <210> 488
       <211> 378
       <212> DNA
       <213> Homo sapien
      <400> 488
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 cgtaagactg acactegage teggeateag accagtteet eagetteetg aagtaaceat
                                                                        120
 agcaattgga cttgtggtaa aaccatccag gagcacagct gggtctcatg atgatatcac
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                                                                        240
                                                                        300
 ccatcttcct cctaccctqa qqatqtaqct aqtqcaaqqa tctcaqaqac cttactagcg
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 agggccctg ccttcttc
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       <210> 489
       <211> 429
       <212> DNA
       <213> Homo sapien
       <400> 489
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aaactataca gcctaccatc aacagttgtg cattataaaa aggtagtttc tttccttttg
                                                                        180
 ttttaagtca ggaacaggta gatttttaaa aatatatata caagctaaca cacacrgcta
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tcagcactaa tgccccccc tcaacttttc ctttttctta tagaaaatgg aaagcttaca
                                                                        300
                                                                        360
 ataceteste srtymwrgmr seagreetwe gageewgeet grasagggtk wgcmktggar
magmtstgkc ctgaggttta gagccgcttt gtgcggggat ggtggaggct agggtggggg
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       <210> 490
       <211> 532
       <212> DNA
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## <213> Homo sapien <400> 490

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                                                                       180
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ttgggtcgct ttgmgktgtg atatgagaca gacagytgcg gtgggtgtca tcaaagcagt
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qgacaagaag qctgctgqag ccggcaaggt caccaagtct gcccagaaag ctcagaaqgc
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                                                                       360
taaatgaata ttatccctaa tacctgccac cccactctta atcagtggtg gaagaacggt
                                                                       420
ctcagaactg tttgtttcaa ttggccattt aagtttagta gtaaaagact ggttaatgat
                                                                       480
aacaatgcat cgtaaaacct tcagaaggaa aggagaatgt tttgtggacc actttggttt
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<210> 491

<211> 567

<212> DNA

<213> Homo sapien

<400> 491

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tgagatacgc	ttttaggact	gtctatgcat	gtagactttg	gtcaactctc	tcctcctccc	180
tcaataaatc	agttaactta	aaaaatatat	tgtgaccatt	tttataaaat	acatgttcat	240
aaaacagatc	aacatattta	gcttatacag	aaataaaatt	aagtcaatcc	actcacaaag	300
aatttctatt	ttgtaaaaat	gtagcttgta	tttcagtata	ataaaatctg	atgcaaaaaa	360
cctgcccggg	cggcaagtgt	gctggaattc	tgcakatatc	catcacactg	gcggscgctc	420
gagcatgcat	ctagagggcc	caattsgccc	tatagcggcg	cattaagcgc	ggcgggkgtg	480
gtggwtacgc	gcasygtgac	cgmtacactt	gccarcgccc	tagmgcmcgc	tcctttcgcw	540
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<211> 422

<212> DNA

<213> Homo sapien

<400> 492

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<210> 493

<211> 318

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

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<223> n = A, T, C or G

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ggcttgagat ttgttggtct tttaaaaaca araaatgggg aaatgcaaca aaatgacctt
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                                                                        240
tccacttttc aaaagctttc aagtaaagga tagatcatag ggccataaaa gatccattta
atsaaaccca cttttyaccc cctaccaatt gtcttacacc cantccacaa tcttaataca
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tattcctgaa natttaca
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      <211> 360
      <212> DNA
      <213> Homo sapien
      <400> 494
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ttctttgcat caaaagaaca tttccggcca ggcacggtgg ctcacgcctg taatcccagc
                                                                        120
actttgggag gccgagccag gtggatcacg aggtcaggag atcgagacca gcctggctaa
                                                                        180
catggtgaaa ccctgtctct actaaaaata caaaaatgag ccgggcatgg tggggggca
                                                                        240
                                                                        300
ccgtagtccc agctacttga gaggctgaga caggagaatg gcgtgaaccc ggggggcgga
                                                                        360
gettgtagtg agcegagate gegeeactge actecageet gggtgacaga gtgagaetee
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      <211> 329
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
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      <223> n = A, T, C or G
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                                                                        120
gtttggttag tgactgatgt aaaacggttt tcttgtgggg aggttacaga ggctgacttc
                                                                        180
agagtggact tgtgttttt ctttttaaag aggcaaggtt gggctggtgc tcacagctgt
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aatcccagca ctttgaggtt ggctgggant tcaagaccag cctggccaac atgtcagaac
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tactaaaaat aaagaaatca gccatgaaa
                                                                       329
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      <211> 292
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
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      <223> n = A, T, C or G
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                                                                       120
agttttcaat gctctccagg tgtttctaaa gtgcagacaa gtttangacc gtgcttgagg
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<400> 497	
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aagatacata cttgtgtgca gaaagtatct tcctccaggc ttgtaatacc cttcacatgg
                                                                       180
aagattaatg agggaaatct ttatattctg tataaaaaca aaagcaaatt tatatactaa
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aatcatttgt ctaaaaattt aagttgtttt caaataaaaa ttaaaatgca tttctgatat
                                                                       300
gcactgattg tgttgcctcc agcttttttt gctctctatg agtgactact taagtcactt
                                                                       360
gttgagaggg attatttact aattatatac ttctcattcc tgtaactcca ttccctttaa
                                                                       420
                                                                       480
acagtggtga tatcaaatat acttccatcc attgaatggg gtatttttaa caacaacaaa
                                                                       527
agtgatatac taaaaaatgt attgcttaag gcttattgaa tcatttt
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      <211> 304
      <212> DNA
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cctgcaagat ggacacgagc cacaagctgc actgtgaacc tgggcactcc gcgccgatgc
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caccggcctg tgggtctctg aagggacccc cccccaatcg gactgccaaa ttctccggtt
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tgccccggga tattatagaa aattatttgt atgaataatg aaaataaaac acacctcgtg
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                                                                       304
gcaa
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      <211> 425
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                                                                       180
caactgcttc attaaacatt ctgcattggg tataatctaa gaattgttta caaaaagatt
attttgtatt taccettcat teetttttt gateettgta agtttagtat aaatatatet
                                                                       240
                                                                       300
agacattcag actgtgtcta gcagttacgt cctgcttaaa gggactagaa gtcaaagttc
                                                                       360
cttgtctcac tatttgatct gctttgcagg gaaataactt gttttttctc atgtttcatc
                                                                       420
ttctttttat gtaaatttgt aatactttcc tatattgccc tttgaaattt ttggataaaa
                                                                       425
gatga
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      <211> 256
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
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      <223> n = A, T, C or G
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tgccctgctg cggccagcct gactagaccc caccctgagg tcctgcattt ctcagtcggt
gtgtaatcac gttccagggc ccaaagccca gctctttgtt cagttgactt actgtttctt
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                                                                       240
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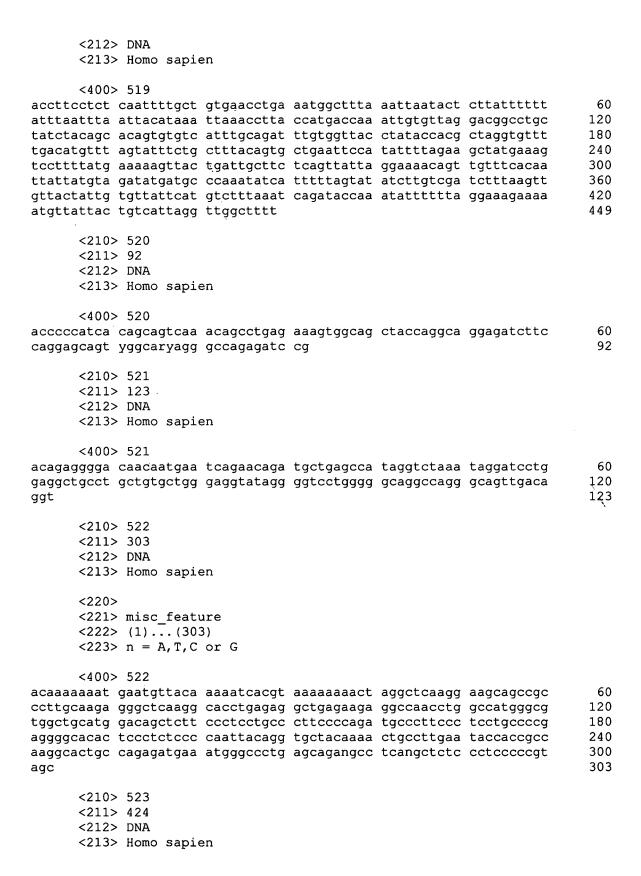
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aatgcaaaat aagtcatctt gcatacaggg agtggttaag taaggnttca tcacccattt
                                                                        180
                                                                        240
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tggtgggcct ctasa
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      <211> 485
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gtgcaaatca ctttaaaatg caagttattc tatagcattt gcaagataga atttcactgn
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aattagggaa tctagttcat cctaacttaa tagtcttttg catgtataga caatgcaatt
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ctacaaggca caactcagcg ttgatgctaa agtatgaaac acatcctcag attatttatt
tgaaaatatt aaaatagcat cgtttattat tttttaatga gtcatgagct catttctaaa
                                                                        360
                                                                        420
gcttcataaa gcattacact gataacatat gtgtggtcag gacaaactgt tccctgaact
taagaggtga aggacaagac cccatattat tatcctgtat taaaaaagga aatatacata
                                                                        480
tatgt
                                                                        485
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      <211> 230
      <212> DNA
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agatggcaca catatttatg ctgtctgaag gtcacgatca tgttaccata tcaagctgaa
                                                                        180
aatgtcacca ctatctggag atttcgacgt gttttcctct ctgaatctgt tatgaacacg
                                                                        230
ttggttggct ggattcagta ataaatatgt aaggcctttc tttttaaaaa
      <210> 507
      <211> 179
      <212> DNA
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<213> Homo sapien
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ggcaaactet cetettttga ggagaagatg ateteggatg ceateceega getgaaggee
                                                                       120
tccatcaaga agggggamta tccsgtgaac accctgaaaa gakccgctgt gacgggtgg
                                                                       179
      <210> 508
      <211> 321
      <212> DNA
      <213> Homo sapien
      <400> 508
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aatggaatca aaagaaagtt aatttatgaa attaagaggt cagcagaata tactcagtga
                                                                       120
tggaagacac ttgggaaagt ctttttaata gaacaagaac gatcttaatt taagaatatt
                                                                       180
atcctggttt aacaacagtg ccctgtttac aacagattgt gccctatctc atctgcagcc
                                                                       240
gaggaataaa ggattctgat tagaaagagg gttgcctaca gattagtaag caattccttg
                                                                       300
gatcttatgc acagaacttg t
                                                                       321
      <210> 509
      <211> 176
      <212> DNA
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      <400> 509
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taggcctgga agatcagcac tgggatgacg atgagcagaa tggtcatgag gatgcccasa
                                                                       120
                                                                       176
atcagggccc acatgttcag gcacttggcc ggtggatgca targcctggg cccctg
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      <211> 298
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      <221> misc feature
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                                                                       120
gtctccattt acttcattct taatgattat tgtcatccct ttaaatctgt gcctttttct
                                                                       180
tettgagega agetgtttga gtaaacetgt tgaagagtgt ttgtgtettt tgtgettttt
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tgttgntatt aaaacaccaa ctaaacctta tagtcaagac aaggctctat gtttctgt
                                                                       298
      <210> 511
      <211> 345
      <212> DNA
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toctaeatat ttaatggttt ttttaatttc ttgtgtatgg tagcacagca aacttgtagg
                                                                     180
aattagtatc aatagtaaat tttgggtttt ttaggatgtt gcatttcgtt tttttaaaaa
                                                                     240
aaattttgta ataaaattat gtatattatt tctattgtct ttgtcttaat atgctaagtt
                                                                     300
aattttcact ttaaaaaagc catttgaaga cctaaaaaaa aaaaa
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      <211> 459
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      <213> Homo sapien
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atgctgaatt gtgatttttt tatgccaaaa tttttttagt tctaatcatt gatgatagct
                                                                     120
tggaaataaa taattatgcc atggcatttg acagttcatt attcctataa gaattaaatt
                                                                     180
gagtttagag agaatggtgg tgttgagctg attattaaca gttactgaaa tcaaatattt
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attigttaca ttattccatt tgtattttag gtttcctttt acattctttt tatatgcatt
                                                                     300
ctgacattac atattttta agactatgga aataatttaa agatttaagc tctggtggat
                                                                     360
gattatctgc taagtaagtc tgaaaatgta atattttgat aatactgtaa tatacctgtc
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      <211> 422
      <212> DNA
      <213> Homo sapien
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ggccacaaaa gggctctgtg gtttgcctcc atgtgcactg gcccctcccc acccctaggg
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ggcactcagt agctgctgag aaggcctgtc cacgaggctg ttggaacccc tccaataaat
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acttagaggt agtgtatctg atgcttgttt tcgtggagaa aattgtattg gagaacttaa
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aacatcacga atatttttaa taggatccqc aqacacccaa aqqaqaaqct tqqtcttttc
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caggtatttc caacttgagt tcagcccaaa gcctttgaaa ggaatgcatt accacatgac
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cacatgctga gaccccatgg ggtctaacac gggacctaag aaagtctctg cagccagata
                                                                     420
qt
                                                                     422
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attttttaat gaggtattta ccactgaaga aatatgataa tataaaacca tcaaatttta
                                                                     120
180
cttcagtctc tgtaatgttt ctgattgcat gtttcttcat gaaaagtatg ttgttgtttt
                                                                     240
gatagtaata ataataaatg taggctcagt tctttcccag gattttcatc aaaaagcttt
                                                                     300
aagtgcctaa ccctgcttgt ctctgt
                                                                     326
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      <211> 323
      <212> DNA
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<210> 516 <211> 403 <212> DNA <213> Homo sapien	
<400> 516 acccepting getication of control of	60 120 180 240 300 360 403
<210> 517 <211> 360 <212> DNA <213> Homo sapien	
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<210> 518 <211> 255 <212> DNA <213> Homo sapien	
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<210> 531 <211> 418 <212> DNA <213> Homo sapien	
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240
ctaaggctaa ccaaacttag atataaatcc taccaataaa atttttcagt tttaagtttt
                                                                       300
acagtttgat ttaaaaacaa aacagaaaca aatttcaaaa taaatcacat cttctcttaa
                                                                       360
aacttggcaa accetteeet aactgteeaa gtatgageat acaetgeeae tggetttaga
                                                                       418
tactccaatt aaatgcacta ctctttcact ggtctgaatg aagtatggtg aaacaagt
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      <211> 583
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(583)
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caacacaacc acccacagcc taattattag catcatccct ctactatttt ttaaccaaat
                                                                       120
caacaacaac ctatttagct gttccccaac cttttcctcc gaccccctaa caacccccct
                                                                       180
cctaatacta actacctgac tcctacccct cacaatcatg gcaagccaac gccacttatc
                                                                       240
caqtgaacca ctatcacgaa aaaaactcta cctctctata ctaatctccc tacaaatctc
                                                                       300
cttaattata acattcacag ccacagaact aatcatattt tatatcttct tcgaaaccac
                                                                       360
acttatecee acettggeta teateaceeg atgaggeaac eagecagaac geetgaaege
                                                                       420
aggcacatac ttcctattct acaccctagt aggctccctt cccctaccca tcgcgactga
                                                                       480
tttcactcac aacacennta ggetcactaa acattctact actcactctc actgeccaag
                                                                       540
aactatcaaa cttcctggcc aacaacttat atgactagct tac
                                                                       583
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      <213> Homo sapien
      <400> 533
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ccagacagct tgttcactga tgtgagcatg gggagatgcc aacagagaaa tgaatgctgg
                                                                       120
gatgqcacct ccatctacca caqccttgqt ttgttctgat gtcccagaag caatgttagt
                                                                       180
gagtgcccaa gcagattcaa actgaatggg actacaatca gttctgccca agaaggacac
                                                                       240
aaatttcqqa atcaaaccaq cccqqattat qttqtctatq qqqqqctqtt tttctctqqa
                                                                       300
aagtagtttc ctggcagctt gagtagcttg gagctgattt tccacattgc tgctatttat
                                                                       360
gcctttgaca atgtcatcaa cagaccaatt tacagtgccc tggttgttgc ggttttcctg
                                                                       420
                                                                       480
cagcggagaa gtagcatcat caggaaatga gcttacattt ctcctcttca gcatctggtc
                                                                       529
atcettetta gettteetea geteeacatt gaeetetatt etgegaege
      <210> 534
      <211> 297
      <212> DNA
      <213> Homo sapien
      <400> 534
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taataaaaga tgtaattaat atactgtatc ccttttaagc caaagcacac tttttacctc
                                                                       120
aaqactgttc tgacttttac attcttaatt tcctttgtcc aaaataggac cccattttaa
                                                                       180
atagagttca tttgaattga gttcataatc taaagtcact tttccccaca agatgttttc
                                                                       240
atttcagtat ataaactqct aaqcggcaaa tgactaagtc agttataaag aatttgt
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      <211> 373
      <212> DNA
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                                                                       120
                                                                       180
aaccaaggac aactgaggcc agagatcctg gaactcctcg acattcagag aactggcctg
                                                                       240
ggagctgagg ttggcactag tgagagcaag cggaccctca aacatctgag ccaagtcttg
                                                                       300
cataaaagca tgatcaggaa tccgaatgcc tacaagaggc gtaaaagggt ttaggtcctt
                                                                       360
gttgagctcc tccgagcgtt ccatcaccag ggtcactggt cctggcagta ggtctttcag
gagcccctca ggt
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      <210> 536
      <211> 254
      <212> DNA
      <213> Homo sapien
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                                                                       120
tgatacctat ctaaattcat attcgagcaa aactaggccc cgaaagtgcg tttgtggctc
                                                                       180
tgcacctcca gaagtgagtt caaaaaacct gcagctcatc agaactgcaa caataactct
taatattttc ttgtgacaaa aaaaaaaatc aagtttactt caatatattt tcaaatattt
                                                                       240
actggaagta atgt
                                                                       254
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      <211> 449
      <212> DNA
      <213> Homo sapien
      <400> 537
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                                                                       120
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tgtatatttt atattaaatc acttactatt gatttttgtt gtgattttca aaggtggatt
                                                                       180
                                                                       240
cccacagata aaatcttggc tattgcccaa aacatagtaa agggtcacgt gtgacttttt
                                                                       300
ataataggaa gaaaattetg cetttgtgag tgeacatgte cacattteat eecteettee
ctcaaaaccc tagagagggg cattaaagaa ttgttgatgt atatgcaatg tctgttaagc
                                                                       360
atgcactatg tatttcatcc tcatttattg ggtctgggac tgaagttttt agccagcatg
                                                                       420
gacctaacct actttttggg ataaaattc
                                                                       449
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      <211> 328
      <212> DNA
      <213> Homo sapien
      <400> 538
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                                                                       120
tgggatttcc attgatgaca agcttcccgt tctcagcctt gacggtgcca tggaatttgc
catgggtgga atcatattgg aacatgtaaa ccatgtagtt gaggtcaatg aaggggtcat
                                                                       180
tgatggcaac aatatccact ttaccagagt taaaagcagc cctggtgacc aggcgcccaa
                                                                       240
                                                                       300
tacgaccaaa teegttgaet eegacettea eetteeeeat ggtgtetgag egatgtgget
cggctggcga cgcaaaagaa gatgcggc
                                                                       328
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<210> 539
      <211> 506
      <212> DNA
      <213> Homo sapien
      <400> 539
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tccagatttc aactgctcat cagatggcgg gaagatgaag acagatggtg cagccacagt
                                                                        120
tcttttgatg tccaccttgg tcccctggcc gaacgtccag cggagagact gttggcagta
                                                                       180
ataaatggca aaatcatcag gctgcaggct gctgatggtg agagtgaatt ctgtcccaga
                                                                       240
tecactgeeg etgaacettg atgggaeeee actatgtaaa gtagaegeet tatagateag
                                                                       300
gagattaggg gctttccctg gcttctgctg ataccaggcc aaccaattat taatattctq
                                                                       360
actggcccgg caagtgatgg tgactctgtc tcctacagat gcagacaggg tggaaggaga
                                                                        420
ttgggtcatc tggatgtcac atttggcacc tgggagccag agcaagcagg agccccagga
                                                                        480
gctgagcggg gaccctcatg tccatg
                                                                       506
      <210> 540
      <211> 519
      <212> DNA
      <213> Homo sapien
      <400> 540
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                                                                       120
ctgataaaca agtggatcaa actgaatatt tccaattaag aaagttcaca ataatacagt
                                                                       180
agtgtattat taccaatagg aaggcctaat agtcgactat tattttttaa qqcaaqaaaa
                                                                       240
aagaaaacaa gtgcaagcta tgccaagctt tggtgaatgc tgtccttggc attgcaagta
                                                                       300
taaagtttgt ttaaaaagaa aagggaaaaa ttaaactaat gcttcaacaa ccacagaata
                                                                       360
aggtttagga ctgcaaagaa agaggaaaaa aagaaacatt attcctctcc aattatactq
                                                                       420
ccaagcattc acaagtgagc tagggatcat aaggttaatt atacatttaa taaggtgtca
                                                                       480
gggagataac tgctcatttc tttataaaaa ttaaaatgt
                                                                       519
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      <211> 431
      <212> DNA
      <213> Homo sapien
      <400> 541
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                                                                        60
tetectagae ttgacetaga atattacata tteeteeagt aagtaataet gaagageaaa
                                                                       120
agagaggcag gattggggtc acagccgctt cttcagcatg gaccaagtgg gccttgggga
                                                                       180
ttgcagcgtt ctcgaagtgg ctgtaggact cgaatttaca gaaagccaca gaggtgcaac
                                                                       240
ttgaggctct gctagcaagc caccagtgag gctattgggt aaccaccttt ctatacagga
                                                                       300
gattggaatc tactttgtca tttatccacc acagtgacaa aggaaaagtg gtgccgttat
                                                                       360
gcaatccatt taactcataa acatattact ctgagtaact ggccagccat tcatcggatc
                                                                       420
cttcattggg t
                                                                       431
      <210> 542
      <211> 502
      <212> DNA
      <213> Homo sapien
      <400> 542
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aggaagatag aatgagaaac agacctacaa gaatcattaa acaataaaat aacagtaatc
                                                                       120
                                                                       180
tttgtcttca gaaaataaat attttaaaaa tagacttgcc aatcaataca catacattga
atagagggat tatataaaat tttatatacc aagatccaac ttgcctctct tcaagagtca
                                                                       240
                                                                       300
cttgagatct agtagtgaaa tcagcctgaa agtggcaagt ggaagaagac attttaggca
aacatcaacc aaacgagagc agaagagatc aaaattgtat tatacaaaat acatcgtaag
                                                                       360
tcaacaactc tcttatttta taaaatatac tttatgtcaa aattcacaag agaaaaaagg
                                                                       420
tcattaaaca ataataaaga tatcatttat tgaaaatgta tgacaaatat gtgcatacat
                                                                       480
atatttatat gtttgtgtct gt
                                                                       502
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      <211> 452
      <212> DNA
      <213> Homo sapien
      <220>
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      <222> (1)...(452)
      <223> n = A, T, C or G
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gttaaaaaga ctgatagaat aaataaaact acaaaaaaaa aaaaatcata caaacccatt
                                                                       180
ctgaaacccc aagaagtcct ggaatacaga aatgccctcc tccttcacta tttcacagga
agcactgcag gctatttgct taatattgtc ctgggattac attctaaaat tagtaactgg
                                                                       240
                                                                       300
ttacageteg gttgtagtge acaattaaaa teacactaae tteatetgaa gtgteattet
                                                                       360
acagttttat ttacacaacc agtgaagggc atgttctaga ataccagctt taatcctttt
caaacattaa tataagaagc caaattgtaa tgatacagca aantgaggcc actggtatta
                                                                       420
                                                                       452
atacaggtag caaaggtcca catccaggtg gt
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      <211> 472
      <212> DNA
      <213> Homo sapien
      <400> 544
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tcatctactt attaaaacaa ataatttccc ttgggttgga ggggaggtga tttcataaat
                                                                       120
taattagaaa gccatcttta gcatattgct tatgtctgga tccatgtttc tgaggaaaaa
                                                                       180
gacattctca ggtgatgtat ttttttcatg cattagtatg catttttaaa aaataatgca
                                                                       240
tgtttcttta ataattaatt ttcatcttct ataagatgcc atgtgaagaa gttgtggaaa
                                                                       300
tgtagaataa aaagctaaag ctgccaaatt tctgttgaac tcttaaaaac agctcatgtt
                                                                       360
                                                                       420
tgtttgtcct ctcgggttgt ggcctagcct atttgcaatg taatgaagct gcagggttct
tgtatagcta aagcgttcaa tgcatttcac gtgctgtggt ggatgtgggt gc
                                                                       472
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      <211> 281
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(281)
      <223> n = A, T, C or G
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<211> 423 <212> DNA <213> Homo sapien	
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<210> 547 <211> 399 <212> DNA <213> Homo sapien	
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<210> 549 <211> 413 <212> DNA <213> Homo sapien	

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aatatacaca qaatgtattq ttagttcgat tccttcaaat tttatacata tttactttct
                                                                       120
gttaaagaga aaaggataaa atggtataaa aaaagataaa gctattaatt aagcacgaga
                                                                       180
                                                                       240
gagaagataa atggatattt tccctgtgtg aggctaagac agaagcaaat ctcgttaaga
                                                                       300
aaaatgccac ccacacaaca ggaaatttat ccaaaacaaa acaaaagcag ttatagaacc
ccttctctac catcagaagt aatttcacag caataaactt attggttaca acagacatac
                                                                       360
ttgaacagtt aaggatggga agaaaggctt aagatatcac caaattaaac cgt
                                                                       413
      <210> 550
      <211> 215
      <212> DNA
      <213> Homo sapien
      <400> 550
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                                                                       120
ttccataata tttaagtttt tcgatgttta gatatttttc ttcggtgaag cacaagtwtc
ttttcatggy ccctgakcaa ttttaaacag ttggaacacc ggtggcactg ataactgcty
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tctgggcagc ctctttagct tggggggctb gtagg
                                                                       215
      <210> 551
      <211> 175
      <212> DNA
      <213> Homo sapien
      <220>
     <221> misc feature
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      <223> n = A, T, C or G
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cacaccggcc tcagcccgca ccggcagtas aagatggtga aagaaacaac ttactacgat
                                                                       175
gttttggggg tyaaacccaa tgctactcat gaanaattga aaaaygctta tmmga
      <210> 552
      <211> 298
      <212> DNA
      <213> Homo sapien
      <400> 552
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gtgggaatat tgctaaagaa aattctaata agagttatct ataattatag cttttattta
                                                                       180
ttatatette atteaateat ttatteacaa ttagtetaat tgeattettg atgaataaet
gacttcagca aaggagtcaa tccactaagc aaagttcatt tatttttcat gatgttcttc
                                                                       240
                                                                       298
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      <210> 553
      <211> 437
      <212> DNA
      <213> Homo sapien
      <400> 553
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                                                                        60
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164

tcgtctaaaa ttcactattt tagctctcat aatacaatat aaacagcgta tactgatatt aagaggattc ctctatatat ttgctccatg ttaaagcagt cctaacagct tgtttttta ttgaaatatg cgtgggt	ccataatggc ttctgacaaa tttaaatttt tatcaccaat	tttagaagaa ctcatttatc aatttattct agaacctatg	tgtaaataaa taacatcatg atttcctgat agaaccagtg	taacattggt ctgagcaatc tcacaaactc cccatggaaa	120 180 240 300 360 420 437
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<210> 555 <211> 226 <212> DNA <213> Homo sapid	en				
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<210> 556 <211> 298 <212> DNA <213> Homo sapid	en				
<pre>&lt;400&gt; 556 acttcatata agtggaatca aatgtcttcc aggttcatca gaataatatt ccattatgtg tttgggtatt tccaggacaa aatttaaatt caattcaact</pre>	tattgtagca tataccacat tatattctta	catgtcagaa tttgtttatc atttaatccc	tttcattcct cattcatcca acattttaag	ttttaaggct tcaatagaca acttacaggt	60 120 180 240 298
<210> 557 <211> 166 <212> DNA <213> Homo sapi	en				
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atttcaactt tatctccatt taacttgctt gtaaagtatg tatgat
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      <211> 461
      <212> DNA
      <213> Homo sapien
      <220>
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      <223> n = A, T, C or G
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catctctttc atcttttctt gatcctcttt aggaatgacg actggtttcc ccatttctcc
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qqaaqqtqac atactcctqq aaqttcacct cctqqtcctt qttccqqncc aaqtcttcca
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teageettge aattteagea teetgeaget tegageeaat ggtgagetee ttetggatea
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gctccttcag ctccttcttg ctcagggtgt g
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tettaatact gacatactgg attittaatg cactggtttg ttatttggta tietatetet
                                                                       180
ttttccaggc ctccaggttg cacatttatt tattatgttc aatactttgg ttcttagttc
                                                                       240
                                                                       300
ttaaagaatc aagaagttgt gtaatctttt aaaaatatta tcttgcagat aaagaaaaaa
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tcagttcaga aactggttgt agttatctca aatattgaaa gtggtgaggt cctggaaaga tggcagtttg atattgagtg tgacaagact gcaaaagatg acagtgcacc caga	360 414
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                                                                        360
acgtttggta aaggctattt acagtgtaca tggctgagca tgcactattt atagttacaa
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ncaagcacca ntcaaatatc gnantcnatt aaaagnaggn ctttcccatt tgtngccngc
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aagggccatg ttcggagtgt atgacaacat cgggatcctg ggaaactttg aaaagcaccc
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                                                                        360
taataaacgc atccgctatc tctacaaaca ctttaaccga catgggaagt ttcgatagaa
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gatgtcagat gccctagaac tagagatacc gaccgttgtg cgctaccatc tgggtgctgg
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                                                                       431
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atttaaataa atgctaagaa gagaggcagg tgaagctcca ggggagccat ccttcccaaa
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acttgcttcg tctgttctgt gttggtttta ctaaaaaacg caacaatcag atacggaaga
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tgacaagcen egaagttatt gaagteetge etegtgggge cacagetget tgttettget
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cctgacagtt caaatgcctc ctttgagcct agctcgtgag atgaaagaac agaagttgtt
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tggacettag agecattate cacaateaeg gatggttete aagagttgat tgtaagaaat
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gtctgtcatt cagtacaagg tatatttatg ttatttccaa agccatcacc ctaaaatcct
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ttcagatttt actgtggaag catatttaat gcacacattt gaatgttaca cataaataat
                                                                       120
tttaacgatg gagtccaagt tctggatttt acattagatc tgcatatata agacacttgt
                                                                       180
ggtcaaattt caagattggt aaagccagtt tcaagctgct tatattttga gtacaggttt
                                                                       240
cactattaca aatatatgat gttaaactaa caaactcatg accttcaaag atgtcttcgt
                                                                       300
cccacgcaca cacatttgta atttgtgtcc atttgctatt tcccttcttc tataatcttc
                                                                       360
aaattatata gttatgcatt gagtteecta tgeateteae ceateteett tateteagee
                                                                       420
ttctc
                                                                       425
      <210> 592
      <211> 299
      <212> DNA
      <213> Homo sapien
      <400> 592
agtgaaaatg ggttggtttt tgtcttcgac gctcagggtc tgggcgcctc gcatttgcag
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tetgttgtga cagacacggg gageteegeg tgecageetg tggetgeeet getgtgggg
                                                                       120
tectggggce ggcgaggece etteagtett gttetggggg gacggeceae teeggggagg
                                                                       180
                                                                       240
gggtgtgctg tgctgagcgc tgtatccctg aatatagttt atttttcta catttgaatt
                                                                       299
ctgttgtaga tttatgtaaa aatacattct ttttgaaaat aaaaattttc atgtcttct
      <210> 593
      <211> 425
      <212> DNA
      <213> Homo sapien
      <400> 593
tttttttttt ttttcccag gaggcggcga cggcggcggc ggggggagag gaagagaaag
                                                                        60
aagegtetee agetgaagee aatgeageee teeggetete egegaagaag tteeetgeee
                                                                       120
                                                                       180
cgatgagccc ccgccgtgcg tccccgacta tccccaggcg ggcgtggggc accgggccca
                                                                       240
gcgccgacga tcgctgccgt tttgcccttg ggagtaggat gtggtgaaag gatggggctt
                                                                       300
ctcccttacg gggctcacaa tggccagaaa agattccgtg aagtgtctgc gctgcctgct
ctacgccctc aatctgctct tttggaatca tcacattcca cttctaaaag gagctttaaa
                                                                       360
                                                                       420
gatggcctgg ttgaacgtcc ttcctttgtg agtgaggaaa ttaagtgcag attaagtgac
ttgcc
                                                                       425
      <210> 594
      <211> 425
      <212> DNA
      <213> Homo sapien
      <400> 594
                                                                        60
gtcactaget ggctaagget taaagcagag acgtgtgact gggteteteg ggagggeete
                                                                       120
tggttcttcc cgggctcagg cttgctgggg gctgggggcc agggctctgg cgacctagag
                                                                       180
gtgtggacgg cacagctgca ggaggccttc tcttaaccct ccgagagtgg gactgggaga
tttcctctga agtcccaaag aggccctgtg cccaggggac ctcctcctcg gcctcccagg
                                                                       240
                                                                       300
tgggtggtgc aagctggttc ttggccatgc tccaggctcg ggtgggcaca ggcgtccact
                                                                       360
ccagtgtgct gcgtgcttgt gagactgcct gttctgggac cagcccctgg gctcttccac
caagatttgg tgagggtccc cctctgcctc tcacagaagc ccctggccct ggactgtcct
                                                                       420
```

```
ggggg
                                                                    425
     <210> 595
     <211> 162
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(162)
     <223> n = A, T, C or G
     <400> 595
ctttacatta tttttttcc aaaaagacta gtatttatac aangggcaat agaaacaaaa
                                                                     60
acaaaaaccc ttccgactgc cacctggaag gggctggctg gnctgctccc tctcccacct
                                                                    120
                                                                    162
ggaacngggg ggggcactgg gcaggaggga atgnggangn gg
     <210> 596
     <211> 283
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(283)
     <223> n = A,T,C or G
     <400> 596
aaggtgactc aacacentct teetcaagga ettettggtg atactetett gtetttteea
                                                                     60
gttaccetet teeteetttg teetetgtge ttgggeteac aacttnatgg netgnaettn
                                                                    120
ataaaanaac natggcaact ttgncctgan tgncnccctn cccaanctga nctggntgga
                                                                    180
                                                                    240
anaagaaact tggaaactat ntnanccatg gntttgggan nctnccccct tncccatgnc
tnctaataaa accatgcant gcctttggag agaagagacc ccc
                                                                    283
     <210> 597
     <211> 426
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(426)
     <223> n = A, T, C or G
     <400> 597
                                                                     60
gaaatacaaa tgtggattct catcactgaa aaatctttga ngntgngttt attcctttca
tcatttttta aatatttttt ttactgccta tgggctgtga tgtatataga agttgtacat
                                                                    120
180
                                                                    240
tttctttttc atgatgnggn acctccnaag ngatggnaga tttaaataat tttttatttt
                                                                    300
tattttatat atttnttcat tagggccttt tctcccnaaa acgaaanaaa aantccnaaa
aacnaaaccc aaaaaaanag agggtantgt ccnagtttct gtatgtataa agtcntncnc
                                                                    360
                                                                    420
gatttcagga gagcnctgnn cccaatttgc tccntgaatc aaggngngna aatggttttt
                                                                    426
ttggcg
```

```
<210> 598
      <211> 412
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(412)
      <223> n = A, T, C or G
      <400> 598
ttttttttt ttttttttg ccacctagag atgataattt attgttttac catgactcag
                                                                        60
aagagaaaca acataaagag aatatttcaa atccccacaa tttccttctc aacctcacta
                                                                       120
                                                                       180
ctcttaacat ttctttatca gacgccactg gcttcctaaa atggaccctg gactatgtat
ggggaccaca ttcattatgc tgcctttcct cttatgatta aaactttagc cctcattcga
                                                                       240
nggttccaat ggtactttta gnggaggagt ccctagcttt taaaaaaacc acttttcctn
                                                                       300
taaaatccnt tntttatnga aaaaaancnt ttttaaaaat gttaaggagg attttaaatg
                                                                       360
accatattca attaaaaaaa aaatnccttn tggaacatnt tngcagaaac ct
                                                                       412
      <210> 599
      <211> 415
      <212> DNA
      <213> Homo sapien
    <400> 599
ccaagatgac aaagaaaaga aggaacaatg gtcgtgccaa aaagggccgc ggccacgtgc
                                                                        60
agcctattcg ctgcactaac tgtgcccgat gcgtgcccaa ggacaaggcc attaagaaat
                                                                       120
tcgtcattcg aaacatagtg gaggccgcag cagtcaggga catttctgaa gcgagcgtct
                                                                       180
tegatgeeta tgtgetteee aagetgtatg tgaagetaca ttaetgtgtg agttgtgeaa
                                                                       240
ttcacagcaa agtagtcagg aatcgatctc gtgaagcccg caaggaccga acacccccac
                                                                       300
cccgatttag acctgcgggt gctgccccac gtcccccacc aaagcccatg taaggagctg
                                                                       360
agttettaaa gaetgaagae aggetattet etggagaaaa ataaaatgga aattg
                                                                       415
      <210> 600
      <211> 208
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(208)
      <223> n = A, T, C or G
      <400> 600
aaaccgcctt tttttttttt tttttttaa tatgcagttt gtaanaacaa aactggatgg
                                                                        60
catcanaatt gtctggaagt tttgtcttgg gcagtatggg ctgggccaaa tgaaatgatt
                                                                       120
tttataattc taaacaggtt accaaatgaa atgtcatggc tttactttgg caattaaagg
                                                                       180
                                                                       208
ggggaatttt tttaaaaaaa aaaaaaaa
      <210> 601
      <211> 165
      <212> DNA
      <213> Homo sapien
```

```
<220>
      <221> misc feature
      <222> (1)...(165)
      <223> n = A, T, C or G
      <400> 601
tgcaggtcga cactagtgna tccaaagaaa gtaacctaaa cttgacctgc ttaatacatt
                                                                         60
ctagggcaga gaacccagga tgggacacta aaaaaatgtg tttatttcat tatctgcttg
                                                                        120
gatttatttg tgtttttgta acacaaaaaa taaatgtttt gatat
                                                                        165
      <210> 602
      <211> 416
      <212> DNA
      <213> Homo sapien
      <400> 602
aaaacggttt tgccgagttg ggacgtccac tgctgtcaag tcaaccagag atttgaactg
                                                                         60
tgcattggtg tgatccctga ggaaagtcag cactgggatg acgccatcag gatggataca
                                                                        120
gacctctaac tcattgaagc aggacacctg aacttgttgg acatacttgg gcaagatttc
                                                                        180
agccacatac totocaaaag otgagagotg ottgtggggoo acatoattoo gtggtotgao
                                                                        240
agtggggcgc gtgtcggccc cggcgctctc ccgcctcacc ggcagcaaca gaacggaggg
                                                                        300
tegeccagte eccetggtea gegeegagge ecceaagate eegegeeace acageetgge
                                                                        360
taccgccgcc gcgagtactt ctagagcggc cgcgggccca tcgattttcc acccgg
                                                                        416
      <210> 603
      <211> 416
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(416)
      <223> n = A, T, C or G
      <400> 603
catgagcata aaaaaaaac ccaaacctgt nccatacccc tcccactcat gcaaacagct
                                                                         60
cttaaaatga agaattcttt caaaatttta cgttttttnc attcttggct caattctttt
                                                                       120
gctttcctca tcatcagaat tcaaactttg ggcaaacatg ggttttgggc tgantctttg
                                                                       180
gaatatgctg gaaaaacccc aatatgggct gcttctgctt gtttggcatg acgcaaaatg
                                                                       240
gnttcccang atactgcatc gtcttgccaa gaatgttcca ttagaaaaag gcccgggtcc
                                                                       300
tcgccacact ggctggcctc tgctgggtgc ntctagagta tatcggctgc acctcagtgc
                                                                       360
atctgtccat aattttttg aaaaaaaaa ctcaatctta acgcgggcat attcnc
                                                                       416
      <210> 604
      <211> 414
      <212> DNA
      <213> Homo sapien
     <220>
     <221> misc feature
      <222> (1)...(414)
      <223> n = A, T, C or G
      <400> 604
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```
aaaatttatg agctttatta aagcggttta tcacaaagat ggaaacgtac aaatgagaag
                                                                        60
catgcaacca tcatcttcca cagtcaagtc aaactgctat ttctctctct ctcctgtttc
                                                                       120
atagagetgg aaactgeagg tgttatacce aacctattea teeteaacae tgtagteacg
                                                                       180
ccccggaaac tactcagggc accaaacatc caaaacataa actattatta tacaaagaaa
                                                                       240
                                                                       300
gtgcaaagtt aaaaaagaaa acatggagac ccctccccc cataccctca nctaaaggct
                                                                       360
aacaatggca cttgggctct tgcttaatct agattgtctt caaaaagtct ctaaaatgng
atactgngng nggnggggg ngngaanggt ccaaaagctn cttagtgttt gaaa
                                                                       414
      <210> 605
      <211> 417
      <212> DNA
      <213> Homo sapien
      <400> 605
tectetttea caateactea acaaacaggt cacacatece etaggteeae gaacteatet
                                                                        60
tctcgtttgg ccaaatcgtc ttcatctccc aaagctttcc agccactggt gggtaagacg
                                                                       120
                                                                       180
ggcttagagg aatgtcgctg gagcagagcg aaaggaaaca aagacgagag gcgggcagag
tteeteagea ggeagggge eteageetgg ggggeetget ggetgtggtg tetetegteg
                                                                       240
                                                                       300
atcttctctt gtaaactctg gacttcctcc atcatttcca agagtttgct cagagtggcc
acttggccac cacctaggat ttgggcttct ggaatccaac gtaggtagcg ctgggcccag
                                                                       360
actttgattt cgggcccctc gatatgcggt aacaacaaac catggtagtc agtggac
                                                                       417
      <210> 606
      <211> 413
      <212> DNA
      <213> Homo sapien
      <400> 606
ctgaattctt taatttaaaa aaatcatacc taggaggtgt gctataggaa ttcagataca
                                                                        60
ataagttgca tataaaaccc gacctcattg ctcattgtgg taaagcaagg atgatgagaa
                                                                       120
                                                                       180
aatgcacctc aggagcaaaa acacgcttta cgggcactcc gggacccaag tcccgagaca
tttccacgtg accttctgga aagacacacc gcccacctga ctgcacgacg ggactggtcc
                                                                       240
                                                                       300
agecteeegg etecteagga aggagatgag ttteetacaa agtgagtgge caeageteea
                                                                       360
ggacagggcg tccacatgtc gttgtgggtc tggctggatt ttgaggtgcc gaggaactgg
                                                                       413
teggtgteet gategtattg taegtggtge tetegatete ceaactgeea taa
      <210> 607
      <211> 414
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(414)
      <223> n = A, T, C or G
      <400> 607
                                                                        60
attttcatta aaactgtcag aatttgctta ctataattat gatacagtcc aaagaatgca
                                                                       120
gtcacttttt atcatgttaa ctaattgttc tcttttgaag atctatggtt gactaattaa
                                                                       180
acaataattc aagtagagtg toccagaaaa aaaccacttg ggotocctgt ttggagtotg
gctggctctg agcattgcca atggccccta ctcacctgac tttgtatcct ctccttttag
                                                                       240
aggetttgea ttetgeacce agetteacta acagtggget gaaaacatee ttgggttgag
                                                                       300
                                                                       360
tgtttcattt gggagttatt tggccagggc cttttgaaca gtaagtgtcc ccatgaagtg
ctagataata tatggngtaa agangtcagc tttttttttt tttttaactc taac
                                                                       414
```

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<210> 608
      <211> 415
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(415)
      <223> n = A, T, C or G
      <400> 608
gcagtggtct gatcttaagg gnctatatat ttgcacctcc tcattcaaca cagggctgga
                                                                        60
qqttctacaa caqqaaatca qqcctacaqc atcctqtqta tcttqcaqtt qqqattttta
                                                                       120
aacatactat aaaqtctqtq ttqqtataqt acccttcata aqqaaaaaat qaaqtaatqc
                                                                       180
ctataagtag caggcctttg tacctcagtg tgaagagaaa tcaagagatg ctaaaagctt
                                                                       240
tacaatggaa gtggcctcat ggatgaatcc ggggtatgag cccagganaa cgtgctgctt
                                                                       300
                                                                       360
tttggtnacn tatccctttt tntcttaaga aagcanggtn ctntcttatt annaaatatg
                                                                       415
ttaaaaaatq qnaagcaaac nacaggtgcc tttanaaatt accaattntt aactt
      <210> 609
      <211> 420
      <212> DNA
      <213> Homo sapien
      <400> 609
ggttttaaaa ttatttcttg aatctctcca tacacaggca aaaataagtg tgttacttaa
                                                                        60
                                                                       120
catactggaa attgcctaac ttaatcattg cctaaagaag agaaaattat ccccaaaacg
                                                                       180
tgcttaacca ggaggccaat gcatttgccg acctccaaga acatggagat gaacgtgata
qacaqactqt ccaccatctq aaccttcatt caccaccatt cgataaccct tattcaggcc
                                                                       240
cagatcagca gcacatttct tgccaacaat cattaagtgt ccaagaagac tttcatcatc
                                                                       300
atcttctqcc acagaaatct qqqatatatq tttcttqqqt atcaccagaa aatqtqttqq
                                                                       360
tgcttgaggg gaaatgtcat ggaaagcaag gcaccggtca tccttaaaaa tgattttggc
                                                                       420
      <210> 610
      <211> 158
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(158)
      <223> n = A, T, C or G
      <400> 610
caactttaaa aaaaaggggg cggtnaaana nccaaanata aaaaggtccc tttggtggat
                                                                        60
                                                                       120
aaaggnccct ttccgggacc ggnccnggac ccacctttgg gcccaaaggg ggatttaccg
ggtaaaccaa gcctttaaag cgttgggggt taaatttc
                                                                       158
      <210> 611
      <211> 159
      <212> DNA
      <213> Homo sapien
```

```
<220>
      <221> misc feature
      <222> (1)...(159)
      <223> n = A, T, C or G
      <400> 611
tcgacactag tggatccaaa ggaagatggc ggacattcag actgagcgtg cctaccaaaa
                                                                        60
                                                                       120
qcaqccgacc atctttcaaa acaagaagag ggtcctgctg ggagaaactg gcaaggagaa
qctcccqcqq tnctacaaga acatcqntct gngnttcaa
                                                                       159
      <210> 612
      <211> 419
      <212> DNA
      <213> Homo sapien
      <400> 612
gcatttttta ttaagacatt tggggcccga gtttcctctc ctcctcccct ccatcctgtg
                                                                        60
ctctctaaat tcagcttttg gaaacctaag tgtgcccacc ttccccagca ggtagccaga
                                                                       120
gcctccgggg tccctcttcc ttccttcttt ctccccagat actgcaagag acacccaagt
                                                                       180
ctgctgtcag cagagggtga agcgtctggc actgatgttc atgcgcgtga gtcccagatg
                                                                       240
ccgcagcggt ggggccagag gcaagccagt cccagactct aactccatct ccagctcagc
                                                                       300
                                                                       360
ctcatccaga agetectggt geaggtgaca gaettggtee aettteagte tgtgeageeg
ggcccgcagc ctgagcagct gccctgccag ctgccggtcc tgagcccgca tctcctgca
                                                                       419
     <210> 613
     <211> 419
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(419)
     <223> n = A, T, C or G
      <400> 613
ccccatactg aggcatataa agtttgcaaa accaaggggc ctgtcttccc aaggtcttac
                                                                        60
tataaaatct gggttaggct aaaacttatt atgtagacca gagaggcgtt gattttaaac
                                                                       120
caatcatcct gtctcatctt cattatttct ggctttatga gcagaatgtc ctgctacctt
                                                                       180
tggcttctta taaagatctt taatggagta ttttaaacat tggaaaatcc atgagtttga
                                                                       240
gcttatttgg agaatgctgc taagaatggg attgactgac ataacttact agcctctttc
                                                                       300
                                                                       360
ctgcttgagg tacagcagtt ttcaatccca atgtgtaaag tgcttagaag ttatcactcc
ccaccttaga gcaaaaacct tcagagaact tcagncactc caccaggcaa atagcacct
                                                                       419
      <210> 614
      <211> 123
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(123)
      <223> n = A, T, C or G
      <400> 614
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gnggtatgga ctagaaaact tggaatgact catgaanaaa ccttggaatg acacatgaag catgataggg aaantnattc tgaggcnnga ngcttnactg aattntttcc anccagnggt ntt	60 120 123
<210> 615 <211> 362 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 615 gaccttgagg tttcatcggg tgattgccct tgatttctta ggctttggct tcagtgacaa accgagacca catcactatt ccatatttga gcaggccagc atcgtggaag cgcttttgcg gcatctgggg ctccagaacc gcaggatcaa ccttctttct catgactatg gagatattgt tgctcaggag cttctctaca ggtacaagca gaatcgatct ggtcggctta ccataaagag tctctgtctg tcaaatggag gtatctttcc tgagactcac cgtccactcc ttctccaaaa gctactcaaa gatggaggtg tgctgtcacc catcctcaca cgactgatga acttctttgt at</pre>	60 120 180 240 300 360 362
<210> 616 <211> 210 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(210) <223> n = A,T,C or G	
<pre>&lt;400&gt; 616 tgatgccacc ccgtcacccc tcccctcctg agcagggatc caagaatgtg ccaagagtcc cgccagcctc agccaggtgg gcctgtatat agggtccatg tgcaataggg agggacgtct tctattttt gctgcccct ccccgcccac tgtctngggg cagggggaga aggtatttc nagataaagc acangcacca caaataaaag</pre>	60 120 180 210
<210> 617 <211> 511 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 617 acgagcttc gtggctcact ccctttcctc tgctgccgct cggtcacgct tgtgcccgaa ggaggaaaca gtgacagacc tggagactgc agttctctat ccttcacaca gctctttcac catgcctgga tcacttcctt tgaatgcaga agcttgctgg ccaaaagatg tgggaattgt tgcccttgag atctatttc cttctcaata tgttgatcaa gcagagttgg aaaaatatga tggtgtagat gctggaaagt ataccattgg cttgggccag gccaagatgg gcttctgcac agatagagaa gatattaact ctctttgcat gactgtgtt cagaatctta tggagagaaa taacctttcc tatgattgca ttgggcggct ggaagttgga acagagacaa tcatcgacaa atcaaagtct gtgaagacta atttgatgca gctgtttgaa gagtctggga atacagatat agaaggaatc gacacaacta atgcatgcta t</pre>	60 120 180 240 300 360 420 480 511
<210> 618 <211> 511 <212> DNA	

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180
tctagcttgc aagagcgtta ctccccttca tagctttaaa aggttttcgc actgcgtgca
gttagagtag ctaaatcttg tgtgacgctc cacaaacact tgtaagaatt ttgcagagaa
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                                                                        300
agataaccgt tgccacccaa tgccccccac aggcattcta ctccccagta cctcttaggg
                                                                        360
tgggagaaat ggtgaagagt tgttcctaca acttgctaac ctagtggaca gggtagtaga
ttagcatcat ccggatagat gtgaagagga cggctgtttg gataataatt aaggataaaa
                                                                        420
                                                                        421
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      <211> 431
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(431)
      <223> n = A, T, C \text{ or } G
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aaaaagagaa tgcagtaact aatgccctaa atgtttgatc tctgtttgtc attacttttt
                                                                        120
caaaattatt tttttctgta aagtataata tataaaactt cttgcttaaa ttgaatttct
                                                                        180
atattagtgg ttaattgcag tttattaaag ggatcattat cagtaatttc atagcaactg
                                                                        240
ttctaqtqtt ttqtqttttt aaaacaqaat taqqaatttq aqatatctqa ttatattttt
                                                                        300
catatgaatc acagacctcg gccgcgacca cgctaagggc gaattccagc acactggcgg
                                                                        360
ccgctactag tggatccgag ctcggtacca agcttgggcg taatcatggt catagcctgt
                                                                        420
ttcctgtgtg a
                                                                        431
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      <211> 421
      <212> DNA
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      <220>
      <221> misc feature
      <222> (1)...(421)
      <223> n = A, T, C or G
      <400> 623
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ttctgattta taatatgctg nctgataaag tgacactaga ngnaccnact nnatggttta
                                                                        120
aatcttccca ttcccagaat ccagaatttt ggaagccatt ttaaccaggg gtattttttn
                                                                        180
caccattacc ttttggaact ttccaaatta atggcctttt aaaaaggttg gaaggggaaa
                                                                        240
accaaaaggc caaaatttta aaaaggttgg gggggggaac cttaaaaaaa aaaatgggtt
                                                                        300
ttggggccnc cttttttaa aaggccaaaa nttttttggg ttccaattaa aaaaatttcc
                                                                        360
tttttccaac ccaaaattaa gaaaaggnaa aattaaaaaa attncaaaaa ttggnttttt
                                                                        420
                                                                        421
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      <211> 421
      <212> DNA
      <213> Homo sapien
      <400> 624
aagaattcgg cacgagcgga tgtgctcact gacattctac tccaaqtcgg agatgcagat
                                                                         60
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ccactccaag tcacacaccg cgccaacagc tcctacctgg ttgtaacttc tgtgagaaat ccacactggt gatagaccat actctccaat ctgcagtccc caactgtcat cgggcgtaca a	cccagcacat ccttccgcca acaaatgtgc acagacggca	ccgtatacac gctctcccac acacccaggc acaccacaaa	tcaggggcta cttcagcagc tgtgagaaag gataaaccct	agccctacag acacccgaat ccttcacaca tcaagtgcca	120 180 240 300 360 420 421
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<210> 626 <211> 476 <212> DNA <213> Homo sapi	en				
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<210> 627 <211> 503 <212> DNA <213> Homo sapid	en				
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<210> 628
      <211> 248
      <212> DNA
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      <400> 628
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cttggttcca gcggctcctc ttccgcttct tacttgggaa gtccaacggc gtggcgttcg
                                                                       120
ctccggtcgc catggcgccc ccggggacag gcaccggcac ctgcttttcc tctgcggcgg
                                                                       180
cttctccttc gcaagcctcc cggggggagg ggacccgaat gcgctgccgg agcgcgcgga
                                                                       240
gcccgtcc
                                                                       248
      <210> 629
      <211> 99
      <212> DNA
      <213> Homo sapien
      <400> 629
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cctgggccaa gcccgaggac ccttctctcc tggaggatc
                                                                        99
      <210> 630
      <211> 640
      <212> DNA
      <213> Homo sapien
      <400> 630
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aaccttgcca ttgcaataaa aaaggaaaag aggcctcctc agacactctc aagaggatgg
                                                                       120
ggagatgaca tcacttgggt acaaacttat gaagaaggtc tcttttatgc tcaaaaaagt
                                                                       180
aagaagccat taatggttat tcatcacctg gaggattgtc aatactctca agcactaaag
                                                                       240
aaagtatttg cccaaaatga agaaatacaa gaaatggctc agaataagtt catcatgcta
                                                                       300
aaccttatgc atgaaaccac tgataagaat ttatcacctg atgggcaata tgtgcctaga
                                                                       360
atcatgtttg tagaccette tttaacagtt agagetgaca tagetggaag atactetaae
                                                                       420
agattgtaca catatgagcc tcgggattta cccctattga tagaaaacat gaagaaagca
                                                                       480
ttaagactta ttcagtcaga gctataagag atgatggaaa aaagccttca cttcaaagaa
                                                                       540
                                                                       600
gtcaaatttc atgaagaaaa cctctggcac attgacaaat actaaatgtg caagtatata
gattttgtaa tattactatt tagttttttt aatgtgtttg
                                                                       640
      <210> 631
      <211> 168
      <212> PRT
      <213> Homo sapien
      <400> 631
Glu Asp Met Met Leu His Ser Ala Leu Gly Leu Cys Leu Leu Val
                                    10
Thr Val Ser Ser Asn Leu Ala Ile Ala Ile Lys Lys Glu Lys Arg Pro
            20
                                25
Pro Gln Thr Leu Ser Arg Gly Trp Gly Asp Asp Ile Thr Trp Val Gln
                            40
Thr Tyr Glu Glu Gly Leu Phe Tyr Ala Gln Lys Ser Lys Lys Pro Leu
                        55
Met Val Ile His His Leu Glu Asp Cys Gln Tyr Ser Gln Ala Leu Lys
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65
                    70
                                       75
                                                           80
Lys Val Phe Ala Gln Asn Glu Glu Ile Gln Glu Met Ala Gln Asn Lys
                                   90
Phe Ile Met Leu Asn Leu Met His Glu Thr Thr Asp Lys Asn Leu Ser
            100
                               105
                                                   110
Pro Asp Gly Gln Tyr Val Pro Arg Ile Met Phe Val Asp Pro Ser Leu
                           120
Thr Val Arg Ala Asp Ile Ala Gly Arg Tyr Ser Asn Arg Leu Tyr Thr
                       135
                                           140
Tyr Glu Pro Arg Asp Leu Pro Leu Leu Ile Glu Asn Met Lys Lys Ala
                   150
                                       155
Leu Arg Leu Ile Gln Ser Glu Leu
               165
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      <211> 402
      <212> DNA
      <213> Homo sapien
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      <222> (1)...(402)
      <223> n = A,T,C or G
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actotaggec acgatgeege agtaccagae etgggaggag tteageegeg etgeegagaa
                                                                     120
gctttacctc gctgacccta tgaaggcacg tgtggttctc aaatataggc attctgatgg
                                                                     180
gaacttgtgt gttaaagtaa cagatgattt agtttgtttg gtgtataaaa cagaccaagc
                                                                     240
tcaagatgta aagaaaattg agaaattcca cagtcaacta atgcnactta tggtacccaa
                                                                     300
360
tacttaggaa gtaaatatct tttgaattan aaaaagtgtt gg
                                                                     402
      <210> 633
      <211> 402
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(402)
      <223> n = A, T, C or G
      <400> 633
                                                                      60
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teetttegtg geteacteec ttteetetge tgeegetegg teacgettge tettteacea
                                                                     120
tgcctggatc acttcctttg aatgcagaag cttgctggcc aaaagatgtg ggaattgttg
                                                                     180
cccttgagat ctattttcct tctcaatatg ttgatcaagc agagttggaa aaatatgatg
                                                                     240
gtgtagatgc tggaaagtat accattggct tgggccangc caagatgggc ttctgcacag
                                                                     300
atagagaaga tattaactct ctttgcatga ctgtggttca gaatcttatg gagagaaata
                                                                     360
                                                                     402
acctttccta tgattgcatt gggcggntgg aagttggaac ag
```

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<211> 386
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(386)
      <223> n = A, T, C or G
      <400> 634
tgcaggtcga cactagtgga tccaaanaat tcggcacgag gctggcaaga agagacgagg
                                                                      60
                                                                     120
cccggctgtg gagcaactga accgggtgac tgtcccaagc tggactccct ggtggcccag
cagctgcaga gcaagaatga gtgtggaatc cttgccgacc ccaaggggcc cttccgggag
                                                                     180
tgccatagca agctggaccc ccagggtgcc gtgcgcgact gtgtctatga ccgctgcctg
                                                                     240
ctgccaggcc agtctgggcc actgtgtgac gcactggcca cctatgctgc tgcatgccag
                                                                     300
gctgctggag ccacagtgca cccctggagg agtgaagaac tttgcccact tganctgcca
                                                                     360
concacanno ctatnaggog tgttct
                                                                     386
      <210> 635
      <211> 404
      <212> DNA
      <213> Homo sapien
      <400> 635
gccaccactt cgtagtgttt tggaacaaac caagttaaag aaagaagata tttatgcagt
                                                                      60
                                                                     120
ggagatagtt ggtggtgcta cacgaatccc tgcggtaaaa gagaagatca gcaaattttt
cggtaaagaa cttagtacaa cattaaatgc tgatgaagct gtcactcgag gctgtgcatt
                                                                     180
gcagtgtgcc atcttatcgc ctgctttcaa agtcagagaa ttttctatca ctgatgtagt
                                                                     240
accatatcca atatctctga gatggaattc tccagctgaa gaagggtcaa gtgactgtga
                                                                     300
agtcttttcc aaaaatcatg ctgctccttt ctctaaagtt cttacatttt atagaaaqga
                                                                     360
acctttcact cttgaggcct actacagctc tcctcaggat ttgc
                                                                     404
      <210> 636
     <211> 403
      <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(403)
     <223> n = A, T, C or G
     <400> 636
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                                                                      60
tgctagtgga tgctgtcagc cagaacgctg ccttcctgga gcaaactctt tccagcacca
                                                                     120
tcaaacagga tgactttacc gctcgtctct ttgacatcca caagcaagtc ctaaaagagg
                                                                     180
240
cagatggctc cccagccctg aaacagatcg aaatcaacac catctctgcc agctttgggg
                                                                     300
                                                                     360
gcctggcctc ccggacccca nctgtgcacc gacatgttct cagtgtcctg agtaagacca
aagaagctgg caagatcctc tctaataatc ccagcaaggg act
                                                                     403
     <210> 637
     <211> 441
     <212> DNA
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<213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(441)
      <223> n = A, T, C or G
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tagaagggat gacccaaagt ctgagaggtc tggaattaga tgttgttact ataaggtcag
                                                                       120
                                                                       180
aaaaagaaaa totgacaaat gaattacaaa aagagcaaga gogaatatot gaattagaaa
taataaattc atcatttqaa aatattttqc aaqaaaaaqa qcaaqaqaaa gtacaqatga
                                                                       240
                                                                       300
aagaaaaatc aagcactgcc atggagatgc ttcaaacaca attaaaagag ctcaatgaga
                                                                       360
gagtggcagc cctgcataat gaccaagaag cctgtaaggc caaagagcag aatcttagta
                                                                       420
qtcaaqtaqa qtqtcttqaa cttqaqaaqq ctcaqttqct acaaqqcctt qatqaqqcca
aaaataatta tattgtttgc a
                                                                       441
      <210> 638
      <211> 404
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(404)
      <223> n = A, T, C or G
      <400> 638
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                                                                        60
tcccgattcc ttttggttcc aagtccaata tggcaactct aaaggatcag ctgatttata
                                                                       120
atcttctaaa ggaagaacag acccccaga ataagattac agttgttggg gttggtgctg
                                                                       180
ttqqcatqqc ctqtqccatc aqtatcttaa tqaaqqactt qqcaqatqaa cttqctcttq
                                                                       240
ttgatqtcat cqaaqacaaa ttgaaqqqaq aqatqatqqa tctccaacat qgcagccttt
                                                                       300
tcttagaaca ccaaagattg tctntggcaa agactataat gtaactgcaa ctncagctgg
                                                                       360
cattatcacg ntggggacgt cagaagaagg agaaagccgc ttat
                                                                       404
      <210> 639
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      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(404)
      <223> n = A, T, C or G
      <400> 639
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cagecttage tteggeteec ggettgggtg gegeggeegt geeetegttt tggeeteega
                                                                       120
acgcggctcg aatggcaagc caaaattcct tccggataga atatgatacc tttggtgaac
                                                                       180
                                                                       240
taaaggtgcc aaatgataag tattatggcg cccagaccgt gagatctacg atgaacttta
                                                                       300
agattggagg tgtgacagaa cgcatgccaa ccccagttat taaagctttt ggcatcttga
                                                                       360
aacgagcggc cgctgaagta aaccaggatt atggtcttga tccaaaaatt gctaatgcaa
                                                                       404
taatgaangc agcanatgaa gnanctgaag gtaaataaaa tgat
```

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<210> 640
      <211> 401
      <212> DNA
      <213> Homo sapien
      <400> 640
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                                                                         60
gtctctgcct cttactcgtc acagtttctt ccaaccttgc cattgcaata aaaaaqqaaa
                                                                        120
agaggeetee teagacacte teaagaggat qqqqagatqa cateaettqq qtacaaaett
                                                                        180
atgaagaagg totottttat gotoaaaaaa gtaagaagoo attaatggtt attoatoaco
                                                                        240
tggaggattg tcaatactct caagcactaa agaaagtatt tgcccaaaat gaagaaatac
                                                                        300
                                                                        360
aagaaatggc tcagaataag ttcatcatgc taaaccttat gcatgaaacc actgataaga
atttatcacc tgatgggcaa tatgtgccta gaatcatgtt t
                                                                        401
      <210> 641
      <211> 404
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(404)
      <223> n = A, T, C or G
      <400> 641
ggctcatcgc agacaccagc cgacctaccg gctttcggac catggccaac ctcgagcgta
                                                                         60
cetteattge cateaageea gatggegtge agegeggeet ggtgggegag ateateaaae
                                                                        120
gattcgagca gaaggggttc cgctggtggc catgaagttc cttcgqgctn ttgaagaaca
                                                                        180
cctgaacagc attacatcga ccctgaacga accgtccttt ctttccnggg gctggtgaaa
                                                                        240
                                                                        300
tacatgaact tnggggccat ngtgggcatg ggcttgggaa ggggntcaat ggtggtggaa
                                                                        360
aaccggcccg aatgattctt ggggggaana acaaatccaa nttgatttaa aaaccaqqca
nccattnccg ggggggattt tnttgnnttt naaanttggg nagg
                                                                        404
      <210> 642
      <211> 366
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(366)
      <223> n = A, T, C or G
      <400> 642
tgcaggtcga cactagtgga tccaantaat tcggcacgag gagcaaaggc acatcttaaa
                                                                         60
tggcagggga actaccettg atacaaccat cagateteat gagaeteact gteatgagaa
                                                                        120
cagcagcatg ggggtaacgg ccccatgatt caattacctc ccactgagtc cctcccacga
                                                                        180
catatgggga ttatgggagc tacaattcaa gatgagattt aggtggggac acagccaaac
                                                                        240
                                                                        300
catttcaata gcataacacc aaaaaaggtt atagagcagt aaaagggttg atggaccatg
catcagtaat aataataata attataagtg atctttaaac attcatcagg tgccaagcct
                                                                        360
                                                                        366
cgtgcc
```

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<211> 403
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(403)
      <223> n = A, T, C or G
      <400> 643
gtgacctgat gagacagtta attatggcca atccacaaat gcagcagttg atacagagaa
                                                                         60
atccagaaat tagtcatatg ttgaataatc cagatataat gagacaaacg ttggaacttg
                                                                        120
ccaggaatcc acaatgatgc agganaagat gaagaaccaa gacccaactt tnancaacct
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aaaaannntt ccnaggggnn ttnanngttt nanggnentt ntccccaant tttnagganc
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cattgttnat ngntgnncaa aannagttng gnggaaatcc ttttgtttcc ttgggganca
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atacateett tggngaaggt agteaacett eeegtneana aattagaaat eeeetneeea
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accntecttn nnattneent nttntaannn aaacntanng ntnnntgnnt gttnannggn
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atnancttta aanntgcant ntnntttant cctccaaatn tttttcggtt tcntntgaga
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ancaccanaa netttette eettntette agtanttgea anagganace teenttnagg
actggcntag ngaacgtaat ccatgcttta actgccatta aacagcccca tggttggatt
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      <211> 405
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      <221> misc feature
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      <223> n = A, T, C or G
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                                                                        120
                                                                        180
ctgaaccagg cccaaatgag gtcttgctga ggatgcattc tgttggaatc ttgtggctta
aatgtcacta ctgggagtat gggcnaattg ggaattttat tgngaaaaac ccatggggtt
                                                                        240
                                                                        300
ggacatgaag ttcggacagt cnaaaaagtg ggatcatcgg naaagaccta aaaccaggtg
atcggttgca tcacctgggc tcccgaaaaa tgataattnt gaagatggcc atacatntgt
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accttcatnt tttntggcac cccccnata cggaactttg cggtt
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      <221> misc feature
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      <400> 646
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                                                                       120
                                                                       180
ccggagggac tgcaaaagct ctcagggatg ctggtctggc agtcagagat gtctctgagt
                                                                       240
tgacgggatt tcctgaaatg ttggggggac gtgtgaaaac tttgcatcct gcagtccatg
ctggaatcct agctcgtaat attccagaag ataatgctga catggccaga cttgatttca
                                                                       300
                                                                       360
atcttataag agttgttgcc tgcaatctct atccctttgt aaagacaagt ggcttctcca
ggtgtaactg ttgaggangc tgtgggagca aattgacatt ggtgggagta ac
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tgaacaaaaa agttanntag ctaaaacagg acttgcagnn ttnaaaacag gtccttgatg
gcaaagaaga ggttgagaaa caacntagag aaaatattna aantctaaat tccatggtag
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                                                                       300
aacgccaaga gaaagatctt ggccgtcttc aggtagacat ggatgaactt gaagaaaaga
                                                                       360
accgaagtat tcangctgcc tggatagtgc atacaaagaa cttactgatc tttacaaagc
caatgctgca aangatagtg aggnacanga agctgctctn accgtgaaat ga
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      <211> 413
      <212> DNA
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      <220>
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cggctctgcc cggctgccgc ccggcatgaa catcatggat ttcaacgtga agaaacttgg
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cgggccgacc gggcaccttt tcttaagccg gcccgtgnaa tttanaaaaa aaaaacttgg
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240
ncaaqcaaaa aaaaanaaaa ttqqncctta ncttqaaaan cttcttaaca aaacttaatg
qtccaaaata ttqaccqaaa aaaaaatqna ncaaaccnna ntqnttttqc acccaatncn
                                                                        300
aatnocnnga nnaaaaaaat tgnttattaa aaacntgaat aaaaancccc aannotatna
                                                                        360
                                                                        413
acaaccccga actttttgga cnatntntna ntgatnnnng aacntaattt ggc
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      <211> 409
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
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cacccccqcq qtcctcqqqa qqctaqaqat catqqaaqqq aaqtqqttqc tqtqtatqtt
actggtgctt ggaactgcta ttgttgaggc tcatgatgga catgatgatg atgtgattga
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tattgaggat gaccttgacg atgtcattga agaggtagaa gactcaaaac cagataccac
                                                                        240
tgctcctcct tcatctccca aggttactta caaagctcca nttccaacag gggaagtata
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ttttqctqat tcttttqaca qaqqaactct qtcaqqqtqq attttatnca naqccaanaa
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      <211> 413
     <212> DNA
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     <221> misc feature
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qacqtqqqct ttaccatqaq taactccatt cctqqtataq aatccccatt tqaacaaqca
aagaaggtga taaccatgtt tgtacagcga caggtgtttg ctgagaacaa ggatgagatt
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gctttagtcc tgtttggtac agatggcact gacaatcccc tttctggtgg ggatcagtat
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cagaacatca cagtgcacag acatctgatg ctaccagatt ttgatttgct ggaggacatt
gaaagcaaaa tocaaccagg ttotcaacag gotgacttoo tggatgcact aatcgtgago
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                                                                        413
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      <211> 441
      <212> DNA
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      <220>
      <221> misc feature
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      <223> n = A, T, C or G
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actaactaat actaacatct cagacgetca ggaaatagaa accgttgaac tateetgeee gecatcatee tagteeteat egeceteeea teectaegea teetttaeat aacagaegag

120

180

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ccaccagcag cagcaccacc agcagcaaca gcagcagccg cc	
aaatgggcaa caggccagca gccaaaatga aggcttgact at aaaaccagga gagaagacct tcacccaacg aagccgtctt tt	
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tgacaccatc gagaatgtca aggcaaagat ccaagataag ga	
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ggaggaacag cagcgactga tcaacgacct gacaacccag ag	gaggacgac tgcagaccga 180
atccggtgaa ttttccaggc agcttgatga gaaggaagcg ct	
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180
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                                                                       240
                                                                       300
gcggtttgac ggctgggaca aggtggtctt caacacgttg cagggcggga agtggggcag
                                                                       360
cgaggagagg aagaggagca tgcccttcaa aaagggtgcc gcctttgagc tggtcttcat
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agcggatgtt caatggtgan aagatcaact acacccgang gtcgagccgt gctgcacgtg
                                                                       360
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gaacgcatct cagcccgagg tgctggtccc catccgctgg acatggagat cgatgggcag
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aagctgcgag acgccttcac ctggaacatg aatgagaagt tgatgacgcc tgagatgttt
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                                                                       300
tcagaaatcc tctgtgacga tctggatttg aacccgctga cgtttgtgcc agccatcgcc
                                                                       360
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                                                                       120
                                                                       180
eggeteegtg egttttggge egggggtege ttttegegeg eecageatte aegggggete
                                                                       240
cggcggccgc ggcgtatccg tgtcctccgc ccgctttgtg tcctcgtcct cctcgggggg
ctacggcggc ggctacggcg gcgtcctgac cgcgtccgac gggctgctgg cgggcaacga
                                                                       300
                                                                       360
gaagetaace atgeagaace teaacgaceg cetggeetee tacetggaca aggtgegege
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cctggaggcg gccaacggcg agctagaggt gaagatccgc gactggtac
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cactctcctg tgcctgccag aagagacaga gcttgaggag agcttgagga gagcaggaaa
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gtctcctcag cttcaggcac caccactgac ctgggacagt gaatcgacaa tgccgtcttc
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tgtctcgtgg ggcatcctcc tgctggcagg cctgtgctgc ctggtccctg tctccctggc
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                                                                       411
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tcaagcttag ttgctgaact tcaagaaaag cttcaggaag aaaaagctaa gtttctagaa
                                                                       300
                                                                       360
caacttgaag agcaagaaaa aagaaagaat gaagaaatgc aaaatgttcg aacatctttg
                                                                       412
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                                                                       180
ttgncctnnn ataatttnaa ttggngagga gaanntnttn tnatcaaaag ttnttttana
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ccanaagaga angcttcnng gctttgttgc tgaancttaa tnaaaaggnt atggggantn
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nanaaaannt aanttnnntn ganntaatct ttgnttgcag cttatcatnn ttngntatna
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aannaganaa tanttotaat nnntgtttto gaatotatna tnnctnnttt t
                                                                       411
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      <212> DNA
      <213> Homo sapien
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gatggaactt gaagtggcag agagaaaatt atccttccat aatctgcagg aagaaatgca
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                                                                        240
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tcttcaaaag actggacaag agctgcagtc tgcctgtgat gctctaaagg atcaaaattc
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                                                                        412
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      <221> misc feature
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                                                                       180
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ataccetaca agteataaag teagatettg tgaatgaaga ageaacegga eagtteeatg
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240

300

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Arg Trp Arg Gln Leu Val Glu Lys Gly Pro Gln Tyr Gly Thr Val Glu
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Lys Ala Trp Met Ala Phe Met Ser Glu Ala Glu Arg Val Ser Glu Leu
His Leu Glu Val Lys Ala Ser Leu Met Asn Asp Asp Phe Glu Lys Ile
                                105
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1065 1060 1070 Cys Lys Lys Ile Tyr Phe Ile Trp Val Thr Arg Thr Gln Arg Gln Phe 1075 1080 Glu Trp Leu Ala Asp Ile Ile Gln Glu Val Glu Glu Asn Asp His Gln 1095 1100 Asp Leu Val Ser Val His Ile Tyr Val Thr Gln Leu Ala Glu Lys Phe 1110 1115 Asp Leu Arg Thr Thr Met Leu Tyr Ile Cys Glu Arg His Phe Gln Lys 1125 Val Leu Asn Arg Ser Leu Phe Thr Gly Leu Arg Ser Ile Thr His Phe 1145 Gly Arg Pro Pro Phe Glu Pro Phe Phe Asn Ser Leu Gln Glu Val His 1160 1165 Pro Gln Val Arg Lys Ile Gly Val Phe Ser Cys Gly Pro Pro Gly Met 1175 1180 Thr Lys Asn Val Glu Lys Ala Cys Gln Leu Val Asn Arg Gln Asp Arg 1195 1190 Ala His Phe Met His His Tyr Glu Asn Phe 1205 1210 <210> 693 <211> 277 <212> PRT <213> Homo sapiens <400> 693 Met Ala Tyr Gln Asp Leu His Ser Glu Ile Thr Ser Leu Phe Lys Asp Val Phe Gly Thr Ser Val Tyr Gly Gln Thr Val Ile Leu Thr Val Ser 20 Thr Ser Leu Ser Pro Arg Ser Glu Met Arg Ala Asp Asp Lys Phe Val Asn Val Thr Ile Val Thr Ile Leu Ala Glu Thr Thr Ser Asp Asn Glu 50 55 Lys Thr Val Thr Glu Lys Ile Asn Lys Ala Ile Arg Ser Ser Ser Asn Phe Leu Asn Tyr Asp Leu Thr Leu Arg Cys Asp Tyr Tyr Gly Cys

Asn	Gln	Thr	Ala 100	Asp	Asp	Cys	Leu	Asn 105	Gly	Leu	Ala	Cys	Asp 110	Cys	Lys	
Ser	Asp	Leu 115	Gln	Arg	Pro	Asn	Pro 120	Gln	Ser	Pro	Phe	Cys 125	Val	Ala	Ser	
Ser	Leu 130	Lys	Cys	Pro	Asp	Ala 135	Cys	Asn	Ala	Gln	His 140	Lys	Gln	Cys	Leu	
Ile 145	Lys	Lys	Ser	Gly	Gly 150	Ala	Pro	Glu	Cys	Ala 155	Cys	Val	Pro	Gly	Tyr 160	
Gln	Glu	Asp	Ala	Asn 165	Gly	Asn	Cys	Gln	Lys 170	Cys	Ala	Phe	Gly	Tyr 175	Ser	
Gly	Leu	Asp	Cys 180	Lys	Asp	Lys	Phe	Gln 185	Leu	Ile	Leu	Thr	Ile 190	Val	Gly	
Thr	Ile	Ala 195	_	Ile	Val	Ile	Leu 200	Ser	Met	Ile	Ile	Ala 205	Leu	Ile	Val	
Thr	Ala 210	Arg	Ser	Asn	Asn	Lys 215	Thr	Lys	His	Ile	Glu 220	Glu	Glu	Asn	Leu	
Ile 225	Asp	Glu	Asp	Phe	Gln 230	Asn	Leu	Lys	Leu	Arg 235	Ser	Thr	Gly	Phe	Thr 240	
Asn	Leu	Gly	Ala	Glu 245	Gly	Ser	Val	Phe	Pro 250	Lys	Val	Arg	Ile	Thr 255	Ala	
Ser	Arg	Asp	Ser 260	Gln	Met	Gln	Asn	Pro 265	Tyr	Ser	Arg	His	Ser 270	Ser	Met	
Pro	Arg	Pro 275	Asp	Tyr												
<211 <212		57	sapie	en												
tagt	ataa	at g gtg a	tgct	gate		gttaa	accaa	agg	gcac	gaat					ataaaa ccaaaa	60 .20 .57
<210 <211 <212 <213	> 24 > DN	1	sapie	en												
<400			-													

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                                                                         60
aaaaaggaga aaaaagacag aactaaaccc gtttaggaaa aagggaccga gggacagcag
                                                                        120
tggttaagta atccactgag gacctgaagg ggaaaatgga cttacctttc tcatatactt
                                                                        180
                                                                        240
ggcctggcta ggacactggg tgccagacag ccttctgagg ggattttctt tctaaatgag
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<210> 696
<211> 188
<212> DNA
<213> Homo sapien
<220>
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<223> n = A, T, C or G
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gnagacaagc atagatggga ttctggctga tgtgaagaac ttggagaaca ttagggacaa
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cctgccccca ggctgctaca atacccaggc tcttgagcaa cagtnaagct gccataaata
                                                                        180
tttctcaa
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<210> 697
<211> 289
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
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<223> n = A, T, C or G
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                                                                        120
gtgctaagtg ggaattgatt ataaacttga attcttccat caacaaatat ctacctctcc
                                                                        180
tgtccagctt gcctcagatc ttcaggntct ctcttctctg aggcagctaa gcttctacat
                                                                        240
                                                                        289
ccttcatgaa gtttccttta cttctcgaca gaagacagtt ccctttagg
<210> 698
<211> 193
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(193)
<223> n = A, T, C or G
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tqtaatattt cqcttcctaa atttcttcca cctacagata atagacaaca agtctgagaa
                                                                        120
actaaggcta accaaactta gatataaatc ctaccaataa aatttttcag ntttaagttt
                                                                        180
                                                                        193
tacagtttga ttt
```

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<210> 699
<211> 279
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
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<223> n = A, T, C or G
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taagaccagt atagtaaact tagcccacag tggcaaataa tgagtaatat tgtaatatgt
                                                                        120
tccagnggga taccctcctt gtcttgaatt ttggctttga cattctcaat ggtgtcactg
                                                                        180
ggctcgacct caagggtgat ggttttgcca gtgagggtct tcacaaagat ctgcatgttt
                                                                        240
                                                                        279
gegteegeac gaeegeegee accaaccage teggeegee
<210> 700
<211> 340
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(340)
<223> n = A, T, C or G
<400> 700
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                                                                         60
                                                                        120
tatgagtgtg gaatccagaa caaattaagt gttgaccaca gcgacccagt catcctgaat
gtcctctatg gcccagacga ccccaccatt tccccctcat acacctatta ccgnccaggg
                                                                        180
gtgaacctca gcctctcctg ccatgcagcc tctaacccac ctgcacagta ttcttggctg
                                                                        240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag
                                                                        300
                                                                        340
aacageggae tetatacetg ceaggeeaat aacteageea
<210> 701
<211> 277
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A, T, C or G
<400> 701
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                                                                         60
gagataaaga gctcttgtgt gtgttgctgg atgttcccat caatcagcna agaatantgt
                                                                        120
                                                                        180
gcaggtgggt tagaggctgc atggcaggag aggctgaggt tcacccctgg acggtaatag
gngtatgagg gggaaatggt ggggtcgtct gggccataga ggacattcag gatgactggg
                                                                        240
                                                                        277
tcgctgtggt caacacttaa tttgttctgg attccac
```

<210> 702

and the second of the contract of the contract

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<211> 255
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A, T, C or G
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                                                                         60
cggaaatcca ttgcccgtgt tctcanagtt attaaccaga ctcagaaaga aaacctcagg
                                                                        120
aaattctaca agggcaagaa gtacaagccc ctggacctgc ggcctaagaa gacacgtgcc
                                                                        180
atgcgccgcc ggctcaacaa gcacgaggag aacctgaaga ccaaqaagca gcagcggaag
                                                                        240
gagcggctgt acccg
                                                                        255
<210> 703
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<212> DNA
<213> Homo sapien
<220>
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<222> (1)...(224)
<223> n = A, T, C or G
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aggacagcag gggncctggg gttttagcnt ctggcccagg agttatgtgt ccataaccaa
                                                                        120
agggagcaca gtctgcaccc agctctcatc ccatcggagc tgctgcgact cccgcaggnt
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cttccggaac tggtttagct tgcccgcagn atcagnaaag tttg
                                                                        224
<210> 704
<211> 445
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(445)
<223> n = A, T, C or G
<400> 704
aggtaaaaag cagcctgggc aagagaagtg ggtgggttta ggagaatccc tttcgaaaaa
                                                                         60
ttcagagcat tattattaat ccttcttaaa ttaaatgcag ggccaagcat gctgcacgtg
                                                                        120
gaatctggac aattttttga taaactttaa ggctgctaaa taatttacag aaactgtgaa
                                                                        180
tgcattttca ttttacgagg caaaagagaa aatattcaag attgcatagc aattttattt
                                                                        240
tttgaaatgg ntatcctaaa gaatttcctt aaattcagat tttgcaaaat tcctactctc
                                                                        300
caagtcatca agngaacact aaaagcaact ttactcgtga atacagggga ctctttacga
                                                                        360
ggcatgcatt tttcataaat ctaggccaaa gngaactaat tgagatttaa ttctaaattc
                                                                        420
atcctgngat ttctgcatat aatat
                                                                        445
<210> 705
<211> 107
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<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(107)
<223> n = A, T, C or G
<400> 705
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tnagaacctn aattagccat ttgccatctt nagagagtct tnnccat
                                                                         107
<210> 706
<211> 113
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(113)
<223> n = A, T, C or G
<400> 706
aaatagtttc taaaggcaag gncttgctat gttgcttagg ctggttttga aaagtccctt
                                                                         60
ttggggggat gctttcactg cttcacttcc tttctatgac agctnaggga atc
                                                                         113
<210> 707
<211> 283
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(283)
<223> n = A, T, C or G
<400> 707
ctgctccaag gccatcaaga tcttcatggg gaggacggag ctgaagntgg aagacaagca
                                                                          60
ccgtgtggtg atccagcgtg atgagggtca ccacgtggcc tacaccacgc gggaggtggg
                                                                         120
ccagtanctg gnggnggagt ccagcacggg catcatcgnc atctgggaca agaggaccac
                                                                         180
cgtgttcatc aagctggctc cctcctanaa gggcaccgtg ngnggcctgt gtgggnactt
                                                                         240
tgaccaccgc tccaacaacg acttcaccac gcgggnccac atg
                                                                         283
<210> 708
<211> 341
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A, T, C or G
<400> 708
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ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc
                                                                         60
tatgagtgtg gaatccagaa caaattaagt gttgaccaca gcgacccagt catcctgaat
                                                                        120
gtcctctatg gcccagacga ccccaccatt tccccctcat acacctatta ccgtccaggg
                                                                        180
gngaacctca gcctctcctg ccatgcagcc tctaacccac ctgcacagta ttcttggctg
                                                                        240
                                                                        300
attgatggga acatccagca acacacaca gagctcttta tctccaacat cactgagaag
                                                                        341
aacagcggac tctatacctg ccaggccaat aactcagcca g
<210> 709
<211> 376
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A, T, C or G
<400> 709
                                                                         60
ccaagtccag gggcgtggag gccgccggg agcggatgtt caatggtgag aagatcaact
                                                                        120
anaccgaggg tcgagccgtg ctgcacgtgg ctctgcggaa ccggtcaaan acacnnatcc
                                                                        180
tggtagacgg caaggatgtg atgccagagg tcaanaaggt tctgganaag atgaagtctt
tctgccagcg tgtccggagc ggngactgga aggggtanac aggcaagacc atcacggacg
                                                                        240
tcatcaacat tggcattggc ggctccgacc tgggacccct catggngact gaagccctta
                                                                        300
                                                                        360
agtcatactc ttcaggaggn ccccgcgnct gggatgnctc caacattgat ggaactcaca
                                                                        376
ttgccaaaac cctggc
<210> 710
<211> 232
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(232)
<223> n = A, T, C or G
<400> 710
ctgctgtata ttcagcattg tgggaggagc tgtgaaagac anagaacagt anagggtgtg
                                                                         60
gnccctgccc tcgagaggnt tanagtctag gtggagaaac gggaancagg acacatgggg
                                                                        120
agccgagaga aaanagtcca ggccagtatg ttacaggagc tggaaggtgt ttggggtcag
                                                                        180
accccaatac tccaagtaca ctaagcactt cagtgcctcc aggggctcaa cg
                                                                        232
<210> 711
<211> 317
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(317)
<223> n = A, T, C or G
<400> 711
caggtaaaat agatttaatt taggaaagct cattttatat gagtttccaa ctaattatta
                                                                         60
```

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gagtcagaaa caaagaaaat aaaatcagag aaaatcctct gtagaaaaaa tacacaaaga
                                                                        120
acatttctac atgtgaaaaa acagtaaaca gtgttaacat ccaagttatt agtctcaatt
                                                                       180
ccacgtctcc tagtgaacac cactatcaac cttgagatct gatttgntct tgtcattctt
                                                                        240
cactgagtag atgaaatatg ttaaggtgtc tttttcattc actggaatag acctaaagtg
                                                                        300
                                                                        317
gcaaccaact atctcaa
<210> 712
<211> 154
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(154)
<223> n = A, T, C or G
<400> 712
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catccaagtt attagtctca attccacgtc tcctagtgaa caccactntc aaccttgaga
                                                                        120
tctgatttgn tcttgtcatt cttcactgag taga
                                                                        154
<210> 713
<211> 177
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A, T, C or G
<400> 713
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gcacgggttt caaacctgtt ttccacactc tgtctttgca gntttggtaa ttctgtggtc
                                                                        120
tatttatana gatattaaaa tottgtttat aaaaaaaaaa aaaaaaaaa aaaaaaa
                                                                        177
<210> 714
<211> 216
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A, T, C or G
<400> 714
ctgtgtttcg gctataaaaa ggcggctgaa agaaggggaa aattanttta gacttaattg
                                                                         60
                                                                        120
gaagtttcat atggcacaca ttaccagnag agaaaaagat ataaacggca ataaatatta
                                                                        180
ggctcgattt gagaaactct ccccacctca atgctttctt ttcccttgct atttaagggt
                                                                        216
ctactttqca acccqtqtqn qtqtttqtqt qtqtqt
<210> 715
<211> 376
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<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A, T, C or G
<400> 715
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                                                                         60
cgaagtccag ccgagatgct aagagcaagg ccaagaggaa gtcatgtggg gattccagcc
                                                                        120
ctgatacett ctctgatgga ctcagcaget ccactctgcc tgatgaccac agcagctaca
                                                                        180
cagttccagg ctacatgcag gacttggagg nggagcaggc cctgactcca gctacaacag
                                                                        240
atgaggatga ggaagggaaa ttacctgagg acatcatgaa gctcttggag cagncggagt
                                                                        300
ggcagccaac aagcgtggat gggaaggggt acntactcaa tgaacctgga gnccagccca
                                                                        360
cctctgtcta tggaga
                                                                        376
<210> 716
<211> 96
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(96)
<223> n = A, T, C or G
<400> 716
aaacttttta tttgcatatt aaaaaaattg tgcattccaa taattaaaat catttgaana
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aaaaaaaat ggcnctntga ttaaactgca ttacag
                                                                         96
<210> 717
<211> 366
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A, T, C or G
<400> 717
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agtatcatac tggatgccat ccgggaatat gaggaggtag aagngctcct ctctgataaa
                                                                        120
gcaaaagatc gagatcctga aatggaaaat gaagaacaac catcctctga aaatgattct
                                                                        180
cagaatcaga gtggtgaaca gatttcatca agttctcagg aggntgattt ggntgatcaa
                                                                        240
gagtettetg aggaaaatte tetaaattet cacceagaat cattatetet ageagatatg
                                                                        300
gacaatgctg caagcatttc cccttctgaa cagacttcta atnccacaga aaaccatgag
                                                                        360
actaca
                                                                        366
<210> 718
<211> 200
<212> DNA
<213> Homo sapien
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<220>
<221> misc feature
<222> (1)...(200)
<223> n = A, T, C or G
<400> 718
aaacatctca catatanaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa
                                                                          60
gcttctgtgg aaccatggaa gaaqatgaaa atqaqactqq caaaqaacaa atqctqaatc
                                                                         120
tgaagaagat ttgggcaaat aatctgcata cttttaattg ggaataagat ggaaaatatg
                                                                         180
aatgctaaat caaatttttt
                                                                         200
<210> 719
<211> 336
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A, T, C or G
<400> 719
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                                                                         60
geageetgag ngtaacteec teetttteta tetgagetet teeteeteea cateaeggea
                                                                         120
gcgaccacag ctccagtgat cacagctcca aggagaacca ggccagcaat gatgcccacg
                                                                        180
atggggatgg tgggctggga agacagetee cateteaggg tgaggggett gggcagaeee
                                                                        240
tcatgctgca catggcaggn gtatctctgc tcctctccag aaggcaccac cacagccgcc
                                                                        300
cacttctgga aggntccatc cccttgcagg ccttgg
                                                                        336
<210> 720
<211> 167
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A, T, C or G
<400> 720
ggagagtgct agtgaggcgg ccaagaagta natggaggag aatgannagc tcaagaaggg
                                                                         60
agctgctgtt gacggaggca agttggatgt cgggaatgct gaggtgaagt tggaggaaga
                                                                        120
gaacaggagc ctgaaggctg acctgcagaa gctaaaggac gagctgg
                                                                        167
<210> 721
<211> 134
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(134)
<223> n = A, T, C or G
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<400> 721
cctagtatga ggagcgttat ggagtggaag tgaaatcana tggctaggcc ggaggncatt
                                                                         60
aggagggctg agagggcccc tgttaggggt catgggctgg gntttacgtg cgtgaggagg
                                                                        120
ggcggagctt gcag
                                                                        134
<210> 722
<211> 353
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A, T, C or G
<400> 722
aaaaatatat acaactatga tgttcaaata tgtattctga gccattatgt tcaaacataa
                                                                         60
atatctggga aattcaaact gctgcaacaa gttaggaaag gattaaggaa aaatgatgag
                                                                        120
ctacaaatta tgtagttgga ggaagaaaaa aatgttactt agcatttatg tctggatagg
                                                                        180
tatgtatttt ctaatttaca tacacatatc cagntgagta tagacaacca tcaaaatgta
                                                                        240
accagttaca cagagactag actaagccaa cactattttc tataacaggn aacagtagng
                                                                        300
atttcaaaaa ttttaatatc tcaatagttt caccaaaaat tatttatggg aat
                                                                        353
<210> 723
<211> 268
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(268)
<223> n = A, T, C or G
<400> 723
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                                                                         60
acacggngtg caccacctcc ttgcgtttct ggagctcccc atctgggcac tgcacgaact
                                                                        120
tggnctggga gcccatagcg tcgtagtcgc gggcgngtgt gaaggagcgg cccaacttgg
                                                                        180
agatettgee egtegeettg tegatggnga teaegteece ggeetggaee ttgteettgg
                                                                        240
ncagggactc aatcatcttg ntgcccag
                                                                        268
<210> 724
<211> 344
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(344)
<223> n = A, T, C \text{ or } G
<400> 724
aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt
                                                                         60
agnoccatga aattaattat tttctctgct cgatcttggt ggacagtttc atgaagctgt
                                                                        120
```

```
cagttagttc attaaagttt tggaaattct cagacagtgc agtggtatca gaaacttgta
                                                                        180
ttcaagagta naggtcagag ncttcttttc ttttcttttt gagatggagt cttgctctgt
                                                                        240
tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc
                                                                        300
aagcgattct cctgcctcag cctcccgagt aactgggact acag
                                                                        344
<210> 725
<211> 345
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(345)
<223> n = A, T, C or G
<400> 725
aaacaagaga aagtagacag atacatgttg gnaaatgcta actgtccata ttcacataga
                                                                         60
gacacagtgt actctctgag cccaatatan agagaaagga ggaaaaaagc tagaattcta
                                                                        120
tgcactacta cacaggggcc tagcaccctc cagcttccag cagagcgaag ggagcaggnt
                                                                        180
tttctttttt cccacagagc tcggggggtt gattccatac agnttttgtt cagacaggaa
                                                                        240
gggataaaaa tgaacttcga acagaaaggg gtagagactc ttttcccatt gtattctgct
                                                                        300
caaggnattt ccccccaaat aaattgagaa ccatggagnn gagaa
                                                                        345
<210> 726
<211> 305
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A, T, C or G
<400> 726
                                                                         60
ttgcctgatg tcagagcccc tccacacatg agcctgctcc ctactgccaa caccgtggcc
cagacagaga cgctttccga ggaagaggtg aagctcctgc agtcgctgaa gnaagganag
                                                                        120
                                                                        180
cagatcgtga ggaaaaaggg cgccgaggtt gggggcatgt ctctcttctt accaagctag
                                                                        240
actgggntgc cttttctaac tattccagcc ctacagggcg aggggccata atggagtatc
                                                                        300
ccgccccttt agaccccagg cgctcaccgg cagggcaaga aggngaaatc cagcagccgc
gccag
                                                                        305
<210> 727
<211> 387
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(387)
<223> n = A, T, C or G
<400> 727
ccaacgaggc atcacctctg acggtgtcag tcatcgatga ccggctcaag gagaagatgg
                                                                         60
tggtggagtt ccgccacatg aggaaccatg cctatgagcc actcgccagc ttcctagact
                                                                        120
```

<213> Homo sapien

```
tcattactta nagttacatg atcgacaacg ngatcctgct catcacaggc acgctgcacc
                                                                        180
agggetecat egetgagete gtgeecaagt gecacecact aggeagette gageagatgg
                                                                        240
                                                                        300
aggccgtgaa cattgctcag acacctgctg agctctacaa tgccattctg gtggacacgc
ctcttgcggc ttttttccag gactgcattt cagagcagga ccttaacgag atgaacatcg
                                                                        360
                                                                        387
agatcatccg caacaccctc tacaagg
<210> 728
<211> 109
<212> DNA
<213> Homo sapien
<400> 728
ctgactgaca gccagattgc agatgtggct cgcttttgta accgctaccc taatatcgaa
                                                                         60
                                                                        109
ctatcttatg aggtggtaga taaggacagc atccgcagtg gcgggccag
<210> 729
<211> 329
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(329)
<223> n = A, T, C or G
<400> 729
aaagcatagg actatagtca gcatgctaga ctgagaggta aacactgatg caattagaac
                                                                         60
                                                                        120
aggtactgat gctgtcagtg tttaacacta tgtttagctg tgtttatgct ataaaagtgc
aatattagac actagctagt actgctgcct catgtaactc caaagaaaac aggatttcat
                                                                        180
taagtgcatt gaatgtggct atttctctaa gttactcata ttgtcctttg cttgaatgca
                                                                        240
atgccgngca gatttatgtg gctgctattt ttattttctg ngcattactt taacacctta
                                                                       300
aagngagaag caaacatttc cttcttcag
                                                                       329
<210> 730
<211> 238
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A, T, C or G
<400> 730
                                                                         60
aaaaagtggc agagtgactt aactgatcat gcatgatccc tcatccctga aattgagttt
                                                                       120
atgtagncat tttacttatt ttattcatta gctaactttg tctatgtata tttctagata
ttgattagtg taatcgatta taaaggatat ttatcaaatc cagggattgc attttgaaat
                                                                       180
tataattatt ttctttgctg aagnattcat tgtaaaacat acaaaataaa catatttt
                                                                       238
<210> 731
<211> 297
<212> DNA
```

```
<220>
<221> misc feature
<222> (1)...(297)
<223> n = A, T, C or G
<400> 731
aaactgaatt ttttgacctt ggaaaatatt tttcttactt taccaaggtg aagtttcctt
                                                                         60
aattagacta attattttat ccccatccca qqqtataaac aqqaattqtt ttqataqtqq
                                                                        120
tggagttatt cactgcaaca aaqcaacaat qttqtccatq attcaaaatc taaqcaqttt
                                                                        180
cgattttgcc tgtgaatatq gnqtctqtca ttcaqqqcat aqctcactqt aqqctaqcct
                                                                        240
ctgcttactt aagnctcttc tctgacatac tcaatggaag aatatttaga tttattt
                                                                        297
<210> 732
<211> 370
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(370)
<223> n = A, T, C or G
<400> 732
ctgtcagtct tcctgaaatg aagaaactac accagggctg ctatatcaga gcaacccaa
                                                                         60
ccagcactcc aatcatgatg ccgacagngg ccccaattag aagntcaaaa acaaaaatta
                                                                        120
agttaggtag ncagacatct ataaatacta gtatccgcat gaatgaaaac accctggctt
                                                                        180
tggnatggct acagaaatcc atctggaaat tattcaaaag gacgtggttc agggaaaagg
                                                                        240
gggtaggcag ggcatggggg gaggggaaca cacaaaaccc ccaagcagag gtaaaatgaa
                                                                        300
tattggaaca caccegeage aaacactgta catagacttg aggeagatge ctctaacaca
                                                                        360
acacatatac
                                                                        370
<210> 733
<211> 242
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(242)
<223> n = A, T, C or G
<400> 733
cctcctattt attctagcca cctctagcct agccgtttac tcaatcctct gatcagggtg
                                                                         60
agcatcaaac tcaaactacg ccctgatcgg cgcactgcga gcagtagccc aagcaatctc
                                                                        120
atatgaagnc accctagcca tcattctact atcaacatta ctaataagtg gctcctttaa
                                                                        180
cctctccacc cttatcacaa cacaagaaca cctctgatta ctcctgccat catgaccctt
                                                                        240
                                                                        242
gg
<210> 734
<211> 368
<212> DNA
<213> Homo sapien
<220>
```

```
<221> misc feature
<222> (1)...(368)
<223> n = A, T, C or G
<400> 734
                                                                         60
cctttcttgt aagtgaagaa aaaggaatgc agcaaagaag agttcgacat tggagtcctt
agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg
                                                                        120
gctgagatag gtgcaatgac ctacaagatt ttgngttttc tagctgtcca ggaaaagcca
                                                                        180
tcttcagnct tgctgacagt caaagagcaa gtgaaaccat ttccagccta aactacataa
                                                                        240
aagcaqccga accaatgatt aaagacctct aagqctccat aatcatcatt aaatatgccc
                                                                        300
aaactcattq ngacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat
                                                                        360
                                                                        368
ttacatgg
<210> 735
<211> 308
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A, T, C or G
<400> 735
ctgtccaata ggcgtagcta tccggacaga gcacgtttgc agaaggggga ctcttcttcc
                                                                         60
aggtagctga aaggggaaga cctgacgtac tntggttagg ntaggacttg ccctcgtggn
                                                                        120
ggaaactttt cttaaaaagt tataaccaac ttttctatta aaagtgggaa ttaggagaga
                                                                        180
aggtaggggt tgggaatcag agagaatggc tttggnctct tgcttgtggg actagcctgg
                                                                        240
cttqqqacta aatqccctqc tctqaacacq aaqcttaqna taaactqatq qatatcccta
                                                                        300
ccttgaaa
                                                                        308
<210> 736
<211> 354
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(354)
<223> n = A, T, C or G
<400> 736
ccttctgcta cgtagtctac aacagaagga ttcaggcaat tacctctgcc atgcggngga
                                                                         60
acatgggttc atacaaactc ttcttaaggt aaccctggaa gtcattgaca cagagcattt
                                                                        120
ggaagaactt cttcataaag atgatgatgg agatggctct aagaccaaag aaatgtccaa
                                                                        180
                                                                        240
tagcatgaca cctagccaga aggtctggta cagagacttc atgcagctca tcaaccaccc
                                                                        300
caatctcaac acgatggatg agttctgtga acaagtttgg aaaagggacc gaaaacaacg
tcggcaaagg ccaggacata ccccagggaa cagtaacaaa tggaagcact taca
                                                                        354
<210> 737
<211> 198
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A, T, C or G
<400> 737
ctgccgctgc acacgctcgt tcttctctgc ctcagtgatg cgcttctcct cattgcggnc
                                                                         60
atcocggatg ccctcactag acageteege getgtageee gtgggetetg egeceteate
                                                                        120
ctgcaagete teetggacat ggtageteae eggetegtae aeggggggtg gtggggegg
                                                                        180
gggngctgtc atcaccag
                                                                        198
<210> 738
<211> 228
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(228)
<223> n = A, T, C or G
<400> 738
gtgccatggc acacagcctg ggtgcacacc cagcgncctc tcttgcaggt gcaggtattg
                                                                         60
cagtccacct tgatcttggc gccggaagaa tanaggtcgt tgttatggac gcaagggcat
                                                                        120
teetteteea ecaegeagee acceeggeeg teatecatea geeegteggg geacacacag
                                                                        180
ccactgacac actctgtgtg gnaatagccg gcggccagcg nctggcag
                                                                        228
<210> 739
<211> 378
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A, T, C or G
<400> 739
aaaaaataca ggagtcgata gcagcagttg gtgacgagat ggcactcaga aacggcgttg
                                                                         60
acgtaattta ggacgtggaa tcataagcga aacagcacac tgtttgaata aagagcgagt
                                                                        120
cggnatttat atttgntttt cttttgtcat gattatttga tttttaagnt gctccagcta
                                                                        180
aggcattttt ttgtattagn atttctatta gggaaccttt cttattaggn ggnttgtatt
                                                                        240
gtctggnttc taacatgcag gtagctgttt ggcagttaaa cacgtttaga gtaatttgag
                                                                        300
ttacaacgtg tgaaactgag caaaaaagca gngataagnt tgggttacca taccaaatat
                                                                        360
ttgttttccc actggaaa
                                                                        378
<210> 740
<211> 200
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(200)
```

```
<223> n = A, T, C or G
<400> 740
ccacttgagt ggntcctggc tgcttctgtg attgttaggt cttgagagat tatggacccg
                                                                         60
aggeattetg ggtaceceat caattggetg atggnettet atttgggetg egettettet
                                                                        120
aaaaagggga gctcaaaggt cttttttcc cccactgcag agctaaaaaa gtccctgtac
                                                                        180
                                                                        200
gccatcttct cccagtttgg
<210> 741
<211> 273
<212> DNA
<213> Homo sapien
<400> 741
ctgcttggca tcgtaatggg ccggtggcat catgagcccc agaatcagcc ttgccaggtc
                                                                         60
tccagagatc tcagacttca ggtcagtcat taagtcccgg ccaaagtgag acttgaaggt
                                                                        120
ctgccggatc tgctgccgct ggacattgct gcggtgcgtg atgatatcga tgattgtgtc
                                                                        180
ttcgtcagtc ccgagtccct tcatggcttt ccgcagcgct ttggcatctg cgtcagggtt
                                                                        240
                                                                        273
gaagtcattg gctgggcgca caggtccctt cag
<210> 742
<211> 297
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A, T, C \text{ or } G
<400> 742
                                                                         60
ctgcagttgc tccctttagg gttataaaat aatgacccaa atgttacatg tgttgatatt
ataacttgtc agttactgat gtctgtggna tcctaccctc atctctgaaa gggataatac
                                                                        120
tgaataatta ttagaaaact ataaaacttc acactttgta ccattaaaac ctaaaatttt
                                                                        180
                                                                        240
aatcttgncc ttttttacta tggatcagtc ggcactcggg aacagcagca aggaaaagag
                                                                        297
gcaaatttca ttcacatgtt ctgngntcat acctcttctc tacctaattg ttcattt
<210> 743
<211> 381
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G
<400> 743
ctgcacctcc acctccttga agttgaagat actattgcca tcaaagccag cagccagctc
                                                                         60
                                                                        120
tggacagtat gcctgcaggg aacctccatg ccggctcagt gacacactct ctgcagccag
                                                                        180
ggtaatgaac ttgtcctcag ctacaaaagc tgtgagcttg gctgtgctca cctccagggt
taggtttagc agccgctttg ggggtaatgg ctcaggggca cggccttcta gctcagaagn
                                                                        240
agnteetgaa gnetetagtg caagggatgg taeagtetea ggaaacacag nggetettag
                                                                        300
taggnetegg cactgtagag nggnggnate cecagagetg gngatgattt ggttgteate
                                                                        360
```

```
caggaagcgg caacacgaca g
                                                                        381
<210> 744
<211> 167
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A, T, C or G
<400> 744
cagcgngggg ctcggagagg tgctcggatt ctcgtagctg tgccgggact taaccaccac
                                                                         60
catgtcgagc aaaagaanaa agaccaagac caagaagcgc cctcagcgtg caacatccaa
                                                                        120
tgtgtttgct atgtttgacc agtcacagat tcaggagttc aaagagg
                                                                        167
<210> 745
<211> 96
<212> DNA
<213> Homo sapien
<400> 745
ccacaaactc ctctggctgt actccctcct gcaggagacc ggcctcactg cactcagcag
                                                                         60
gctcttctcc ctgcgattca cttctgggac agtcac
                                                                          96
<210> 746
<211> 391
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(391)
<223> n = A, T, C or G
<400> 746
ccattacgca gccgcttcag caaacagggc tcctcccggc ccgagggcgg gaccacagtg
                                                                         60
gccgtcagca ggctgagatc cgtctctgag atgttgatgg ggatgtcggc agcagagccg
                                                                        120
acctttaggt gggacatacg catggagtcg tcacctgtga cccgggcagt gaaggggctg
                                                                        180
cctgggacgt gctgttcatt gtacttgact agaatgctgt agtcccccgg cagcacaggc
                                                                        240
aagtaggaca cgctgcnatg tcccatcctg gttgtcagtg cagtgttgct tgttcagtat
                                                                        300
ctcaagccca gaaagatgaa ttaatccttg aaggaaatga cattgagctt gtttcaaatt
                                                                        360
cagcggcttt gattcagcaa gccacaacag t
                                                                        391
<210> 747
<211> 408
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A, T, C or G
```

```
<400> 747
                                                                         60
aaagttgttt gtgccttttt atttttgttt ttaatgcttt gatatttcaa tgttagcctc
aatttctgaa naccataggt agaatgtaaa gcttgtctga tcgttcaaag catgaaatgg
                                                                        120
                                                                        180
atacttatat ggaaattctg ctcagataga atgacagtcc gtcaaaacag attgcttgca
                                                                        240
aaggggaggc atcagtgtcc ttggcaggct gatttctagg taggaaatgt ggnagcctca
                                                                        300
cttttaatga acaaatgqcc tttattaaaa actgagtgac tctatatagc tgatcagttt
tttcacctgg aagcatttgt ttctactttg atatgactgt ttttcggaca gtttatttgt
                                                                        360
tgagagngtg accaaaagtt acatgtttgc acctttctag gtgaaaat
                                                                        408
<210> 748
<211> 337
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(337)
<223> n = A, T, C or G
<400> 748
                                                                         60
ggcggagaga ggcgagcacc gggaagggga gcgnggggcc gctggaatgg gtgaatttaa
ggnccatcga gtacgtttct ttaattatgt tccatcagga atccgctgtg tggcttacaa
                                                                        120
                                                                        180
taaccagtca aacagattgg ctgtttcacg aacagatggc actgtggaaa tttataactt
                                                                        240
gtcagcaaac tactttcagg agaaattttt cccaggtcat gagnctcggg ctacagaagc
                                                                        300
tttgtgctgg gcagaaggac agcgactctt tagtgctggg ctcaatggcg agattatgga
                                                                        337
gnatgattta caggcgttaa acatcaagta tgctatg
<210> 749
<211> 261
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(261)
<223> n = A, T, C or G
<400> 749
ccgggaggct ctgattattt acccaccaca ggtaggttgt gttctgaatc tcaggttcac
                                                                         60
aggttaaggc tacagcatcc tcatcctcca cggggttgga gttgttgctg gngatgaagg
                                                                        120
gtttgggtgg ctctgcatag actgtgatcg ncgtgactgt ggncctattg aggccagtgt
                                                                        180
                                                                        240
ctgagttatg ggcttggcac gtataggatc cactattatt cacagngatg ttggggataa
                                                                        261
agagetettg ggnggattge t
<210> 750
<211> 150
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(150)
<223> n = A, T, C or G
```

```
<400> 750
aacgctgang acatgacatc caaagattac tactttgact cctacgcaca ctttgnnatc
                                                                         60
cacgaggaga tgctgaagga cgaggtgcgc accctcactt accgcaactc catgtttcat
                                                                        120
aaccggcacc tcttcaagga caaggngnng
                                                                        150
<210> 751
<211> 288
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A, T, C or G
<400> 751
aaaacttttg ttaagaaaaa ctgccagttt gtgcttttga aatgtctgtt ttgacatcat
                                                                         60
agtctagtaa aattttgaca gtgcatatgt actgttacta aaagctttat atgaaattat
                                                                        120
taatgtgaag nttttcattt ataattcaag gaaggatttc ctgaaaacat ttcaagggat
                                                                        180
ttatgtctac atatttgtgt gtgtgtgtgt gtatatatat gtaatatgca tacacagatg
                                                                        240
catatgtgta tatataatga aatttatgtt gctggnattt tgcatttt
                                                                        288
<210> 752
<211> 248
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(248)
<223> n = A, T, C or G
<400> 752
                                                                         60
ctggcactga ggattatatc catataagaa ttcaacagag aaacggcagg aagaccctta
ctactgtcca agggatcgct gatgattacg ataaaaagaa actagtgaag gcgtttaaga
                                                                        120
aaaagtttgc ctgcaatggt actgtaattg agcatccgga atatggagaa gtaattcagc
                                                                        180
tacagggnga ccaacgcaag aacatatgcc agttcctcgt agagattgga ctggctaagg
                                                                        240
acgatcag
                                                                        248
<210> 753
<211> 346
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1) ... (346)
<223> n = A, T, C or G
<400> 753
ctgctagaaa acagggaaga tattagccaa tatggaattg ccaggttctt cactgaatat
                                                                         60
tttaacagtg tatgccaggg aacacacatt ctctttcgag aattcagctt cgtccaagcc
                                                                        120
accecccaca atagggnate atttttacgg geettetgga gatgetteeg aactgtggge
                                                                        180
```

```
240
aaaaatggcg atttgctgac catgaaagaa tatcactgtt tgctgcaatt actgtgtcct
qatttcccgc tggaqctcac tcagaaaqca gccaggattg tqctcatqga cgatgccatg
                                                                        300
gactgcttga tgnctttttc agatttcctc tttgccttcc agatcc
                                                                        346
<210> 754
<211> 100
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(100)
<223> n = A, T, C or G
<400> 754
gtgccacagg cagccctggg anataggaag ctgggagcaa ggaaagggtc ttagtcactg
                                                                         60
cctcccgaag ntgcttgaaa gcactcggag aattgtgcag
                                                                        100
<210> 755
<211> 405
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A, T, C or G
<400> 755
tgtgggccca cttcccaaat ctctggagga tctgcagctt actcataaca agatcacaaa
                                                                         60
gctgggctct tttgaaggat tggtaaacct gaccttcatc catctccagc acaatcggct
                                                                        120
gaaaqaqqat qctqtttcaq ctqcttttaa aqqtcttaaa tcactcqaat accttqactt
                                                                        180
                                                                        240
gagetteaat cagatageea gactgeette tggneteeet gtetetette taacteteta
cttagacaac aataagatca gcaacatccc tgatgagtat ttcaagcgtt ttaatgcatt
                                                                        300
gcagnatctg cgtttatctc acaacgaact ggctgatagt ggaatacctg gaaattcttt
                                                                        360
caatgngnca tccctggntg agctggatct gtcctataac aagct
                                                                        405
<210> 756
<211> 306
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(306)
<223> n = A, T, C or G
<400> 756
ccttgggaaa ttacctggaa atgcgactga aatcttcctt cctgaggggt ctgggctctt
                                                                         60
ggaaatcaaa ccctctcagg ttgggtggct ggacgattct cctcacactt anaatgggac
                                                                        120
                                                                        180
aaggggaacc aggaggccc caaggggatc cctgggntcc acacgaactc ctcctaccct
                                                                        240
cattgngtga cagcagccat gcctcctcct ggggatcagg atctattacc tgtgcctgga
                                                                        300
gaggaggga ctcctcttct caccegctgg nctctggaca catactgtcc aattcccctg
                                                                        306
tggcag
```

```
<210> 757
<211> 321
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(321)
<223> n = A, T, C or G
<400> 757
ctggagggag gntccctggg aggtttttgt ggattccttc tgcagngact cccctggttt
                                                                         60
ctggntctgg ggacccagng tccaggcgca gncttttagc acttctcagt gtagacgttg
                                                                        120
acagggntct tttcccgctt gaatcctgct gagtccccaa atctcttgac ttgtcttggn
                                                                        180
tacagncacc accagagctg ctcncagntt tgacaaaagc agttgctgct gaagngatcg
                                                                        240
ttttgaatcc tatcatagca ctggcaggtc ccggnaaatt cttacagtca gcaggcggac
                                                                        300
ctcgtgtgag ttgaatattc c
                                                                        321
<210> 758
<211> 278
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A, T, C or G
<400> 758
cgctcggcaa gntctcccag gagaaagcca tgttcagttc gagcgccaag atcntgaagc
                                                                         60
ccaatggcga gaagccggac gagttcgagt ccqcatctc ccaqqctctt ntqqaqctqq
                                                                        120
agatgaactc ggacctcaag gctcagctna gggagctgaa tattacggca gctaaggaaa
                                                                        180
ttgaagttgg tggtggtcgg aaagctatca taatctttgn tcccgntcct caaacctgcc
                                                                        240
cgggcggccg cttcgagccc tatagtgagg cgnattag
                                                                        278
<210> 759
<211> 401
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A, T, C or G
<400> 759
gcaaactgca aaccatggtg agaaattgac gacttcacac tatggacagc ttttcccaag
                                                                         60
atgtcaaaac aagactcctc atcatgataa ggctcttacc cccttttaat ttqtccttqc
                                                                        120
ttatgcctgc ctctttcgct tggcaggatg atgctgtcat tagtatttca caagaagtag
                                                                        180
cttcagaggg taacttaaca gagtatcaga tctatcttgt caatcccaac gttttacata
                                                                        240
aaataagaga tootttagtg caccoagnga otgacattag cagcatottt aacacagoog
                                                                        300
ngtgttcaaa tgtacagngg nccttttcag agntggactt ctagactcac ctgttctcac
                                                                        360
tccctgnttt aattcaaccc agccatgcaa tgccaaataa t
                                                                        401
```

```
<210> 760
<211> 346
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(346)
<223> n = A, T, C or G
<400> 760
ccgaggtttg gatcatggga gaacagcaga aaggggttat tgagggaacc tacactgttc
                                                                         60
tagctqcacc ccatqccctt ctcagaggaa agcctggcat tgattagata ctgggccaga
                                                                        120
ctaatactgg cagcagagcc agtgatagta acctgcctac cagaggagcc ttccactggg
                                                                        180
ttggcaattt tgatctgggc cccggacatc tggcggatct cattaatgtt ggcgccttgg
                                                                        240
cgcccgatta tgcagccaat taagttattt ggaatggnga gttcatgggt ggtttgagta
                                                                        300
                                                                        346
gatgcatcca aacttgccca atagcctttc acctntggag agacct
<210> 761
<211> 256
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(256)
<223> n = A, T, C or G
<400> 761
gagacagact gggtgatgac gctgaatctg cagaggtgct ggtgaccaat tcccctaaag
                                                                         60
catctacttg tctcctcaaa ctgtgtaaag tgccctctgt ctgccgcttt cctttaatta
                                                                        120
atacttctgc ttgcttggac atacagtgtc ggagttggnc ctgaaaagtg tgataagact
                                                                        180
                                                                        240
taggntttta cacagnaaga aatgtaccag aactgctgct cagcttcctc acatacattt
                                                                        256
gataggcaaa tctagc
<210> 762
<211> 321
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A, T, C or G
<400> 762
tggactctgg antgatgctg gaagtagata cgaaaatgng aagaacaatg gaacagcaca
                                                                         60
                                                                        120
ctttctggag catatggctt tcaagggcac caagaagaga tcccagttag atctggaact
                                                                        180
tgagattgaa aatatgggtg ctcatctcaa tgcctatacc tncagagagc agactgtata
ctatgccaaa qcattctcta aagacttgcc aagagctgta gaaattcttg ctgatataat
                                                                        240
acaaaacagc acattgggag aagcagagat tgaacgtgag cgtggagtaa tccttagaga
                                                                        300
                                                                        321
gatgcaggaa gttgaaacca a
```

```
<210> 763
<211> 348
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(348)
<223> n = A, T, C or G
<400> 763
tgagaaaaca taaagtaacc agcagatttc aatattaaaa agaagtggtt cntcctaaaa
                                                                         60
aaggtnttag atcatagagt tgggattagg gtaggggata cctattaatc tggnctggaa
                                                                        120
aaaaaqnqtq tqqaqaaqqq qaqntqtatt qntttctcac aaqaqqcaaa cttcaqncaa
                                                                        180
acaatqaaqa qataqtaqqn aqqqaqatqt qtqntaqacc aaaqactttc tqattqctqa
                                                                        240
taataacaaa tttagcagct ntctacaagt caattaaaat accattctct gagacatttt
                                                                        300
cagagaggag ctaactaaca cccacccagg nggaaaaatc attctaca
                                                                        348
<210> 764
<211> 374
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(374)
<223> n = A, T, C or G
<400> 764
agenaagaag gaageteetg eeecteetaa agetgaagee aaagegaagg etttaaagne
                                                                         60
caagaaggca gcgttgaaag gtgtccacag ccacaaaaag aagaagatcc ncacgtcacc
                                                                        120
cacctteeng engeegaaga cactgegact eeggagacag eccaaatate eteggaagag
                                                                        180
cgctcccagg agaaacangc ttgnccacta tgctatcatc aagtttccgc tgaccactga
                                                                        240
gnctgccatg aagaagatag aagacaacaa cacacttgtg ttcattgngg atgttaaagc
                                                                        300
caacaagcac cagattaaac aggctgngaa gaagctgtat gacattgatg tggccaaggt
                                                                        360
                                                                        374
caacaccctg attc
<210> 765
<211> 288
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(288)
<223> n = A, T, C or G
<400> 765
aaatacaata attotgttat tgataaaatt taaggcattt toattgoott ttgcagattt
                                                                         60
actcataact acctaacaag gaaagaaggt ataattattt cagattggat tatttattct
                                                                        120
aaaattaaat tottoactaa tttattotaa qatqaattta atagtocato aggaaattgg
                                                                        180
nttttataaa gcttatttta tgggcataaa atacaggaaa aggtaataat aaatgccaaa
                                                                        240
ccgtctcttt actttatgaa gccaaatatt tcctcagact tggttttt
                                                                        288
```

```
<210> 766
<211> 424
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A, T, C or G
<400> 766
ttgtggttgt gcctgagggc tctgcttccg acactcatga acaggctatc ttgcggttgc
                                                                         60
aagtcaccaa tgttctgtct cagcctctga ctcaggccac tgttaaacta gaacatgcta
                                                                        120
aatctqttgc ttccagagcc actgtcctcc agaagacatc cttcacccct qtaqqqqatq
                                                                        180
tttttgaact aaatttcatg aacgtcaaat tttccagtgg ttattatgac ttccttgtcg
                                                                        240
aagttgaagg tgacaaccgg tatattgcaa ataccgtaga gctcagagtc aagatctcca
                                                                        300
ctgaagttgg catcacaaat gttgatcttt ccaccgngga taaggatcag agcattgcac
                                                                        360
ccaaaactac ccgggtgaca tacgcagcca aagccaaggg cacattcatc gcagacagcc
                                                                        420
                                                                        424
acca
<210> 767
<211> 302
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(302)
<223> n = A, T, C or G
<400> 767
ggctttctca ataagcctca gctttctaag atctaacaag atagccaccg agatccttat
                                                                         60
cgaaactcat tttaggcaaa tatgagtttt attgtccgtt tacttgtttc agagtttgta
                                                                        120
ttgtgattat caattaccac accatctccc atgaagaaag ggaacggtga agtactaagc
                                                                        180
gctagaggaa gcagccaagt cgnttagtgg aagcatgatt ggtgcccagt tagcctctgc
                                                                        240
aggatgtgga aacctccttc caggggaggt tcagtgaatt gtgtaggaga ggttgtctgt
                                                                        300
                                                                        302
gg
<210> 768
<211> 94
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(94)
<223> n = A, T, C or G
<400> 768
ctgatctaaa agaagttact gaggaagatt tgaataatca ctttaagtct ttgggaagca
                                                                         60
                                                                         94
gnnatttgaa atnttgaggt gacagncttt taag
<210> 769
<211> 69
```

```
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(69)
<223> n = A, T, C or G
<400> 769
ctgcaagacg actccaaccc aacaacaacc agatgngctn cagcccagcc ggncttcagt
                                                                          60
tccatattt
                                                                          69
<210> 770
<211> 222
<212> DNA
<213> Homo sapien
<400> 770
ctgaacgcaa accagccact ttaattaagc taagccctta ctagaccaat gggacttaaa
                                                                         60
cccacaaaca cttagttaac agctaagcac cctaatcaac tggcttcaat ctacttctcc
                                                                        120
cgccgccggg aaaaaaggcg ggagaagccc cggcaggttt gaagctgctt cttcgaattt
                                                                        180
gcaattcaat atgaaaatca cctcggagct ggtaaaaaga gg
                                                                        222
<210> 771
<211> 332
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(332)
<223> n = A, T, C or G
<400> 771
ctgctttccc tcctatggct cccctggaac aggagggaga gccaaggggg cggcccagcc
                                                                         60
tggacagege cegeteetge etgggtgeae acaeggeggg cetgagetee ageatetgag
                                                                        120
tttgggggta tgagaaacag gggagcagaa ggagaagaaa actgcctgtg ctgcaacacg
                                                                        180
tttcctcatt tattttttct ttctttttct tttttcttt ttttggaggg agaggtccct
                                                                        240
gcaaggtccc ttcccgggca gnggagggat ggaaatgccg tcacagtagt agggactgga
                                                                        300
gcgtctacaa ggatggaggg gagctactca gg
                                                                        332
<210> 772
<211> 194
<212> DNA
<213> Homo sapien
<400> 772
aaaagaaaga tcaattatat ccatgcttaa caggatcagc aggagcttta taaatgactt
                                                                         60
tacagagact aataagggat ttgatctttc tttttttgtt atcgaggctt ttgaaatgtg
                                                                        120
gaacttgtgt gttctgcttt atatgttata ttcaatatct tttcagatgc agtctatatt
                                                                        180
ttatgctgag tttt
                                                                        194
<210> 773
<211> 272
```

```
<212> DNA
<213> Homo sapien
<400> 773
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt
                                                                         60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                         120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg
                                                                        180
gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaaggtg
                                                                        240
ataagctctt ctatgatagg ggaagtagcg tc
                                                                        272
<210> 774
<211> 314
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(314)
<223> n = A, T, C \text{ or } G
<400> 774
gtgtcttgta cagttagnta tattagcagc cctctgagat gncgnatcta tcggaaggat
                                                                         60
ttcaaacacc aattgcttta cctgaacaaa tggnncttac cctttgaaca gcanagngac
                                                                        120
cacgnagaag gaaggaaaag ggnaaaatcg cttnagttaa actgaaatta aatgaacaat
                                                                        180
aaggcaacta tataagtnac ttctagnagc attgcctgag anacaaatta ttgtttgata
                                                                        240
atttncattg tgaatagnaa tccaatagat catattgctt actttgntct ttttatacta
                                                                        300
tagaataata tttt
                                                                        314
<210> 775
<211> 207
<212> DNA
<213> Homo sapien
<400> 775
                                                                         60
cctgacagag ctcagctcac actgggaagt gtggatgcag ggtgcccttc cctaccccag
tgagaaggaa gatteettae ceatettget teeceeceag ggaagateat catgeaegae
                                                                        120
ccatttgcca tgcggccctt ttttggctac aacttcgggc actacctgga acactggctg
                                                                        180
                                                                        207
agcatggaag ggcgcaaggg ggcccag
<210> 776
<211> 196
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A, T, C or G
<400> 776
gtgaacggag gcactgtggc cgagaagctg gactggnccc gcgagaggct tgagcagcag
                                                                         60
gtacntgtga accaagtgtt tgggcaggat gagatgatcn acgtcatcgg ggtgaccaag
                                                                        120
ggcaaagnct acaaagggnn caccagtcgt tggcacacca agaagctgcc ccgcaagacc
                                                                        180
caccgaggac ctcggc
                                                                        196
```

```
<210> 777
<211> 325
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(325)
<223> n = A, T, C or G
<400> 777
aaagttgaac taagattcta tcttggacaa ccagctatca ccaggctcgg taggnttgtc
                                                                         60
                                                                        120
gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct cttttagctg
ttcttaggta gctcgtctgg tttcgggggt cttagctttg gctctccttg caaagttatt
                                                                        180
tctagttaat tcattatgca gaaggtatag gggttagncc ttgctatatt atgcttggnt
                                                                        240
ataatttttc atctttccct tgcggtacta tatctattgc gccaggtttc aatttctatc
                                                                        300
                                                                        325
gcctatactt tatttgggta aatgg
<210> 778
<211> 421
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(421)
<223> n = A, T, C or G
<400> 778
                                                                         60
ccaaaagaag taagacagct tgctgaagat ttcctgaaag actatattca tataaacatt
                                                                        120
ggtgcacttg aactgagtgc aaaccacaac attcttcaga ttgtggatgt gtgtcatgac
qtaqaaaaqq atqaaaaact tattcqncta atqqaaqaqa tcatqaqtqa qaaqqaqaat
                                                                        180
                                                                        240
aaaaccattg nttttgtgga aaccaaaaga agatgtgatg agcttacnca nanaaatgag
                                                                        300
gagagatggg tggcctgcca tgggtatcca tggtgacaan agtcaacaag agcgtgactg
                                                                        360
ggttctaaat gaattcaaac atggaaaagc tcctattctg attgctacag atgtggcctc
cagagngcta gatgtggaag atgngaaatt tgtcatcaat tatgactacc ctaactcctc
                                                                        420
                                                                        421
<210> 779
<211> 330
<212> DNA
<213> Homo sapien
<400> 779
                                                                         60
ctgaactttc cgcttacgct gcccagagct gccaggtgta gactgagaat tcgagttttg
tttcttcctt ggggttgtat ctgcagcctt ttctccctgg gactccctgt ctgctgccaa
                                                                        120
tggagttgaa gaactggaat gatgacacag ctcctcttct cttattttct ttgctggcct
                                                                        180
ctccggtgtc tgggagcggg aggaggcttg ggctagagaa gggtgatgaa ctggggccat
                                                                        240
                                                                        300
ttctcttcca gagctgtgag atgcctcgag tggagctgta ggaactggta atggcattgc
                                                                        330
ggctggagct agggatgcca cttgcgtaag
<210> 780
<211> 279
```

```
<212> DNA
<213> Homo sapien
<400> 780
gagaggtaga gtttttttcg tgatagtggt tcactggata agtggcgttg gcttgccatg
                                                                        60
attgtgaggg gtaggagtca ggtagttagt attaggaggg gggttgttag ggggtcggag
                                                                        120
gaaaaggttg gggaacagct aaataggttg ttgttgattt ggttaaaaaa tagtagaggg
                                                                        180
atgatgctaa taattaggct gtgggtggtt gtgttgattc aaattatgtg ttttttggaa
                                                                        240
agtcatgtca gtggtagtaa tataattgtt gggacgatt
                                                                        279
<210> 781
<211> 323
<212> DNA
<213> Homo sapien
<400> 781
                                                                         60
ttgatcttct gcaggaaggt gcagcttttc catatcagct caaccacgcc gccagtccat
tottaaggaa otgoogacta ggactgatga tgoattttag otttgagott ttgggggtta
                                                                        120
ttctaccaac aaacagtcca ttggaaagaa aacagtccct ggaattaaca gattagaatg
                                                                        180
ttcacactgg ttaatctttt tttaacaatg agcatgaagg tagcagaagc tggtgtgttt
                                                                        240
ccagatggtt cttctaacca aactaatttt tcactgttga caagcgaggc aagggttgca
                                                                        300
ctggaccaaa ggctgaggct tgg
                                                                        323
<210> 782
<211> 264
<212> DNA
<213> Homo sapien
<220>-
<221> misc feature
<222> (1)...(264)
<223> n = A, T, C or G
<400> 782
ttctagcttt gccctcactc cccggaaaaa ctgacactga cacaggngct ctttccttgc
                                                                        60
ccctttagnt ggtacctcag tggggaggct tccttaccaa gaatgagttc ctgaaaccca
                                                                        120
gggccaqaga caaqgacaac ttaqgggaag acggggtttt cggtggagcc aggggcaaat
                                                                        180
cttaatggga ccagnggggg ataccccaga gcccatggcc tgactgcaca gcctgcctgg
                                                                        240
aggatgggtg cgcagttctg cnct
                                                                        264
<210> 783
<211> 159
<212> DNA
<213> Homo sapien
<400> 783
ctgtgtgaag gcgacagtgg tgcaggtctt cctgtggact agacgtccca gtcttgcctt
                                                                        60
tcccttgata atgcagtaag ggacccccat tttacgacac agggcaggca agaagacaac
                                                                        120
cagctcgatg ggatccacgt cgtgtgcaat caccaccag
                                                                        159
<210> 784
<211> 128
<212> DNA
<213> Homo sapien
```

```
<400> 784
cteggecete ttacaccatt ttgtttgatt gtctagtece tgtttetttt tetttetaat
                                                                         60
ccttattcat ttaagcaaaa ccatacatta tcttttccag tcctttcttg tattcttact
                                                                        120
                                                                        128
gtttttt
<210> 785
<211> 346
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(346)
<223> n = A,T,C or G
<400> 785
ctgggctgat gctggaactc gtagaagtac acaggggccc gggaacactg aaaatgtgct
                                                                         60
                                                                        120
acttggagtg cagggatcac aaacatggag tccgccatca tctcctggaa ctgcgcttgg
agggtctggg gatccccatt gnccccaatg tactcctccc tcagcaggtc accaaatgta
                                                                        180
ggaggcaaca tcagcagcgt taacattttc tgcagagcag cctgggaggc ctctctgtcc
                                                                        240
atttccttct gggtatcata gatcctcatg accttgggga tgagccagcc gaattcattg
                                                                        300
ttgttgacac caacaatgct agngnacagn ctgaaagtcg gcagag
                                                                        346
<210> 786
<211> 118
<212> DNA
<213> Homo sapien
<400> 786
ctgcactgat ctgtggggag agttttacag acttttcatt ccaqcctcct ccattgacag
                                                                         60
tgaggtcttc attcaatcct gaagaaacct gaagtgtaga atctcctttt ccagattt
                                                                        118
<210> 787
<211> 257
<212> DNA
<213> Homo sapien
<400> 787
cactcattca tcgacctccc caccccatcc aacatctccg catgatgaaa cttcggctca
                                                                         60
ctccttggcg cctgcctgat cctccaaatc accacaggac tattcctagc catgcactac
                                                                        120
tcaccagacg cctcaaccgc cttttcatca atcgcccaca tcactcgaga cgtaaattat
                                                                        180
ggctgaatca tccgctacct tcacgccaat ggcgcctcaa tattctttat ctgcctcttc
                                                                        240
                                                                        257
ctacacatcg ggcgagg
<210> 788
<211> 155
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(155)
<223> n = A, T, C or G
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<400> 788
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                                                                         60
caccetggnt gtnetetatg ggceggacac ceccateatt teccececag actegtetta
                                                                        120
                                                                        155
cctttcngga gcgaacctca acctctcctg ccact
<210> 789
<211> 382
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(382)
<223> n = A, T, C or G
<400> 789
                                                                         60
cctaagtaaa tgaagagctg taccatattc atgtattgga agacaacatt gtaaagatga
                                                                        120
catggtttac cagattaatc tataaattca atacaaatcc aatcaaaatt tcaatgctct
tgggtttgtt tgatttataa attgttggtc taattctaga agtaatatgg aggaacagtt
                                                                        180
                                                                        240
ggctaagaat agccaagaca ctncaaggaa gaacaatttt gtggngatac tggagacaga
                                                                        300
ggtgaaattg gttacaatta tgacaaaatg tggaggcatc ttggttttta tcagaccttt
toctaaagtt gcaataatca ggactgtact gtactgctac aagattagac aaattgatgt
                                                                        360
cagtcagaat agaaatcatc aa
                                                                        382
<210> 790
<211> 273
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A, T, C or G
<400> 790
ggatccgcta cacagtttct gccagtccct gagttgatgc cttttcggct aactcgccag
                                                                         60
                                                                        120
nttatcaatc tgatgttacc aatgaaagaa acggtnctta tgtacagnat catggtacac
geacteegnn cetteegete agaecetgge etgeteacea acaccatgga tgtgtttgte
                                                                        180
aagnagccct cctttgattg gaaaaatttt gaacanaaaa tgctgaaaaa aggagggtca
                                                                        240
                                                                        273
tggattcaag aaataaatgt tgctgaaaaa aat
<210> 791
<211> 344
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(344)
<223> n = A, T, C or G
<400> 791
                                                                         60
aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt
```

```
agtcccatga aattaattat tttctctgct tgatcttggn ggacagtttc atgaagctgt
                                                                     120
                                                                     180
cagttagttc attaaagttt tggaaattct cagacagtgc agtggtatca gaaacttgta
                                                                     240
ttcaagagta caggtcagag ccttcttttc ttttcttttt gagatggagt cttgctctgt
                                                                     300
tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc
                                                                     344
aagcgattct cctgcctcag cctcccgagt aactgggact acag
<210> 792
<211> 227
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A, T, C or G
<400> 792
                                                                      60
120
aagaagaaga agaagattaa ggaaaagtac atcgatnaag aagagctcaa caaaacaaag
                                                                     180
cccatctgga ccagaaatcc cgacgatatt actaatgagg agtacggaga attctataag
                                                                     227
agcttgacca atgactggga agatcacttg gcagngaagc atttttc
<210> 793
<211> 328
<212> DNA
<213> Homo sapien
<400> 793
                                                                      60
aaacaagtca tttttcttga tcgttgtgga aggtttggag ccttagaggt atgtcagaaa
                                                                     120
aaatatgttg gtattctccc ttgggtaggg ggaaatgacc tttttacaag agagtgaaat
ttaggtcagg gaaaagacca agggccagca ttgctacttt tgtgtgtgtg tgtgggtttt
                                                                     180
                                                                     240
gttttgtttt tttggttggc cggttgtttt cgttgttgtt aacaaaggaa tgagaatatg
                                                                     300
taatacttaa ataaacatga ccacgaagaa tgctgttctg atttactaga gaatgttccc
                                                                     328
aatttgaatt tagggtgatt ttacctgc
<210> 794
<211> 290
<212> DNA
<213> Homo sapien
<400> 794
ccagcgagca catgaagcgg ttcttcatga actttgtggt tgggcaggat ccgggctcag
                                                                      60
                                                                     120
acgccgcctt ccacttcaat ccgcggtttg acggctggga caaggtggtc ttcaacacgt
tgcagggcgg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg
                                                                     180
                                                                     240
ccgcctttga gctggtcttc atagtcctgg ctgagcacta caaggtggtg gtaaatggaa
                                                                     290
atcccttcta tgagtacggg caccggcttc ccctacagat ggtcacccac
<210> 795
<211> 343
<212> DNA
<213> Homo sapien
<400> 795
                                                                      60
aaaatcaaag aaatccttgt tttgaaaatt ggatcttaat ctcaaaattg tagaacttgg
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ctgagaccat tgctttcatt ctgccaaata aatttctgag ggtgtaaatt cttttgaagt ctttaataaa aattccacca atattcattc ttgctgcatt	tcacagtctc ccttgccaag ttttcacttt	actaggaatg ataatcaatg tcttcgactc	tgcaaatcaa gcatttacat acagcaagta	agcatatgtt ttgcttttt	120 180 240 300 343
<210> 796 <211> 354 <212> DNA <213> Homo sapien					
tggcgggccg ctgaataagc gggactgata gctcccaagg attgctgagg ctgtaagaac ggcagaggca aagcaacaat gtccatcctg cagcaaagac gatggcacca cctcagtgac	catcccccag taccctgggt ttctaatgat tttggtagac	cttgtgagta ccccgtggca ggggccacaa attgccaaat	acatcagtgc tggacaagct ttctgaaact cccaagatgc	ctgccaggtg tattgtagat tcttgatgtt tgaggtgggt	60 120 180 240 300 354
<210> 797 <211> 309 <212> DNA <213> Homo sapien					
<400> 797 ctgtgccgtc tgcctgagcc cgttttggag tacggggcct tggggtgggt cagagccgag agacgtcccc cacccggaga taaatatctg tggtcccgat ggttccagc	tgagcgggtg ttaagagatt gacgtcgcgc	ggagctgtgt ttctttgttg tgtggcctga	gttgaagtac ctggacccct agtggcgcaa	agagggaggt tcttgaaggt gcttgctttg	60 120 180 240 300 309
<210> 798 <211> 315 <212> DNA <213> Homo sapien					
<pre>&lt;400&gt; 798 ccaccagcat tgacgttctt tttagagtct gagtgtatcc caggcgtcag ggtcaatctg gctgtccagg caagattgac ccgccaaact ctgtcccgtc ccaactgcaa agttg</pre>	taaacctatc atacttggct agcggtctcc	aggctggagt gctattccga aacttcttgt	tgttcacttt agcgcgtgtt tcactttctg	agccgagaag actgtttcct gtaaatggag	60 120 180 240 300 315
<210> 799 <211> 157 <212> DNA <213> Homo sapien					
<400> 799 ctgtgatttc ctccatagtt ttcttccaaa tacctgtggc gctcatattg gggaaggggc	tcttgtccca	ctgcagccac			60 120 157

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<210> 800
<211> 357
<212> DNA
<213> Homo sapien
<400> 800
aaactcagtg aacccaaacc tattttttc aatctgaata ttgctgcagc aaaaccaact
                                                                      60
ccaccaaaaa gccgggtaac attaacaaaa gaattccctg tatcatctgg atctcaacat
                                                                     120
cggaaaaaag aagcggatag tgtttatgga qaatgggttc ctgtcgagaa aaatggtgaa
                                                                     180
gaaaacaaag atgatgataa tgttttcagc agcaatttgc cctcagagcc tgtggacatc
                                                                     240
                                                                     300
tctacagcaa tgagtgaacg ggcacttgct cagaaaagac tcagtgagaa tgcatttgat
cttgaagcca tgagcatgtt aaatagagct caggaaagga ttgatgcctg ggctcag
                                                                     357
<210> 801
<211> 359
<212> DNA
<213> Homo sapien
<400> 801
cctagggggc atatcaaggg tttaatagac tgggggaatg ggcaacagaa ctggctacct
                                                                      60
tagaggetet ggaatgeeec ceacceatee acceaceaat ggaaggaaag teaggeateg
                                                                     120
cctaaaagga gtggtcccta tctagcccca agtctggagc agaaagggca ggtccattct
                                                                     180
ggcccaagtg acattgttag atoctgtccc ctcccccaat cactgctgct tgccagggtg
                                                                     240
cctcttcaca gttcccatgt ggcagcagta gtggcagagg cagaagtgga cttattgtag
                                                                     300
attgcagtac agatacatgg acacaatcat ggcagccagc tcgaggcccc caattccag
                                                                     359
<210> 802
<211> 207
<212> DNA
<213> Homo sapien
<400> 802
ccaggctcgg gcaccacctc aatcacatcc atgatcaaga tccgccctcg gcacgtgacc
                                                                      60
tecteceet geatgaggea ggteeeggeg geeacgtage etttgaggee egacaeggte
                                                                     120
tecteactge geagagacae tgtetteatg eaggteacat geteceacte etgeageteg
                                                                     180
atcctggcat tgggaatagc ctcccag
                                                                     207
<210> 803
<211> 311
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(311)
<223> n = A, T, C or G
<400> 803
cctatttcac tgctgtgtag cctcagtgcc taacatgggt gccaaataaa tattcgtaga
                                                                      60
attacactga attgtaaaaa ccattcgntt ttgnttacaa ttgccaaaaa tctcaaaagg
                                                                     120
180
ggctgggngt gacttagtac ataagtactc aatattatna aaacctcaaa taattgactt
                                                                     240
gattttacac aacatccttc ccttttctac aagntaattt ttttacaaat catttgggtt
                                                                     300
```

atctcctaaa t	311
<210> 804 <211> 202 <212> DNA <213> Homo sapien	
<400> 804 ctgttcggat ttaacttcat cttctggctt gccgggattg ctgtccttgc cattggacta tggctccgat tcgactctca gaccaagagc atcttcgagc aagaaactaa taataataat tccagcttct acacaggagt ctatattctg atcggagccg gcgccctcat gatgctggtg ggcttcctgg gctgctgcgg gg	60 120 180 202
<210> 805 <211> 238 <212> DNA <213> Homo sapien	
<400> 805 ccaaccagte tggctggagt gatgcattee tggcccagca cacgatgett accetggate ccaacgteac cggtgtette etgggaceet acceetttgg categateet atttggagee tggctgccaa ccaettgage tteetcaact cettcaagat gaagatgtee gteateetgg gcgtcgtgca catggcettt ggggtggtee teggagtett caaccaegtg caetttgg	60 120 180 238
<210> 806 <211> 325 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(325) <223> n = A,T,C or G	
<pre>&lt;400&gt; 806 cctgaggtct gcggaaggtg ggaggaggca gacgccctgc gtggcccatg gtcggggcgt ccacgccgag gccggcaaca aacgacagta tctcggattc ctttttttt taattttta tactttggng tttcacttcg ngctctgaat actgaataac catgaatgac tgaatagttt agtccagatt tttacagagg atacatctat ttttatcatt atttggggtt tgaaaaattt tttttacac cttctaattt ctttattct caaagcagat aattcttctg ngtgaaaatg ttttctttt ttaatttaag gttta</pre>	60 120 180 240 300 325
<210> 807 <211> 289 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 807 cctaaaggga actgtcttct gtcgagaagt aaaggaaact tcatgaagga tgtagaagct tagctgcctc agagaagaga gaacctgaag atctgaggca agctggacag gagaggtaga tatttgttga tggaagaatt caagtttata atcaattccc acttagcacc tactgtgtgc taggaacttg aatgtgtatg tttgacaagt cctgcttggc ctgatgggtg ggagaaggaa cctgagcctg gctgagatgg ctaggcggag ggctttgaag tccaagcag</pre>	60 120 180 240 289

```
<210> 808
<211> 376
<212> DNA
<213> Homo sapien
<400> 808
aaacttaatt aaagagcttg acaagctctg catattcatg tgtcataagc agtatgtgac
                                                                         60
aaaaaaaact gtgcagtatg taccccctca cgaaatttag tttggcaggg aaaacaagat
                                                                        120
gcacatgtta ttataaatta gaaaatggaa gagaagtaga aataaatcca tgagtattat
                                                                        180
                                                                        240
atataagtaa cagaacaaaa acaacaggat aatgtatccc ccccaaaggc ccagtagaga
ccatcaaagc tcattctggg ggtagtcaag gagggagtgg agggagaaaa agaacgcaga
                                                                        300
ccttcaacca ctaatgaaag aactgaaaca tctgtatgta gaaaaaaggt aaaatcaact
                                                                        360
cactatcatc ttcagc
                                                                        376
<210> 809
<211> 243
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(243)
<223> n = A, T, C or G
<400> 809
ccatctcatt ttcaaagtnc agagctacat aacacagttt ctccttgatg tcccggacaa
                                                                         60
teteaegete ageagtagta aegaaggaat ageeaegete agteaggate tteatgaggt
                                                                        120
                                                                        180
agtcagtgag atctcggcca gccagatcca gacgcatgat gncatggggc aagnnatagc
                                                                        240
enteatagat ggngaeantg tgggtgaeae catetecaga gtecageaeg atgecagttg
                                                                        243
tgc
<210> 810
<211> 274
<212> DNA
<213> Homo sapien
<400> 810
aaaaaacacg tttgttatta ccaaaaagag acgtctttag gtaaaaataa taaaaacccc
                                                                         60
atgctgcatt gataatgcag atagttctat ttatctggtc aacgggcaaa aagcaagcac
                                                                        120
tttaggtctt cagctccaat cttttgttca tttcttattg ctggaatttc atatttcttc
                                                                        180
ttgttggatg actaaaccgg atgatggtag agatggtaag ccggcattta ctcagccccg
                                                                        240
ccctgctcag cctcgggagc ggacgaattc tcag
                                                                        274
<210> 811
<211> 205
<212> DNA
<213> Homo sapien
<400> 811
ctggtggaga tcatcaaggt gctgggaaca ccaacccggg aacaaatccg agagatgaac
                                                                         60
                                                                        120
cccaactaca cqqaqttcaa qttccctcaq attaaagctc acccctgqac aaaqqtqttc
aaatetegaa egeegeeaga ggeeategeg etetgeteta geetgetgga gtacaceeca
                                                                        180
                                                                        205
tcctcaaggc tctccccact agagg
```

<210> 816

```
<210> 812
<211> 199
<21'2> DNA
<213> Homo sapien
<400> 812
aaatattgct gctgctttgt agatgatgag aagaaatgtt aaagtgcttt ctaaaaggaa
                                                                         60
attttttcac ctttggagga gaatatatta gagttgtggg taatttttca cagccaccta
                                                                        120
tgtacatact aattacccat tggatactta tatctaaaag tctcatgctg aagtatagtt
                                                                        180
                                                                        199
tttgggaaag aatgatttt
<210> 813
<211> 334
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A, T, C or G
<400> 813
cctcaccgcc gatgcaagga tagtcatcaa cagggcccgn gtggagtgcc agagccaccg
                                                                         60
                                                                        120
gctgactgtg gaggacccgg tcactgtgga gtacatcacc cgctacatcg ccagtctgaa
qcaqcqttat acqcaqaqca atgggcgcag gccgtttggc atctctgccc tcatcgtggg
                                                                        180
tttcgacttt gatggcactc ctaggctcta tcagactgac ccctcgggca cataccatgc
                                                                        240
                                                                        300
ctggaaggcc aatgccatag gccggggtgc caagtcagtg cgtgagttcc tggagaagaa
                                                                        334
ctatactgac gaagccattg ctctgcgacc tgcc
<210> 814
<211> 358
<212> DNA
<213> Homo sapien
<400> 814
                                                                         60
ctgaagettg qaacttetqg acaagaaaag geetggttte tggtggeete tatgaateee
atgtagggtg cagaccgtac tccatccctc cctgtgagca ccacgtcaac ggctcccggc
                                                                        120
ccccatgcac gggggaggga gataccccca agtgtagcaa gatctgtgag cctggctaca
                                                                        180
                                                                        240
gcccgaccta caaacaggac aagcactacg gatacaattc ctacagcgtc tccaatagcg
agaaggacat catggccgag atctacaaaa acggccccgt ggagggagct ttctctgtgt
                                                                        300
atteggactt cetgetetae aagteaggag tgtaccaaca egteacegga gagatgat
                                                                        358
<210> 815
<211> 203
<212> DNA
<213> Homo sapien
<400> 815
                                                                         60
ctggaagccg gactcagcca gggtgcgcta ctaccagagc ctgcaggctc atctcaaggt
                                                                        120
ggacgtgtac agacgctccc acaagcctct gcccaagggg accatgatgg agacgctgtc
coggtacaag ttctacctgg ccttcgagaa ctccttgcac cccgactaca tcaccgagaa
                                                                        180
                                                                        203
gctgtggagg aacgccctgg agg
```

```
<211> 92
<212> DNA
<213> Homo sapien
<400> 816
                                                                         60
cggccgcaga agcgagatga cgaagggaac gtcatcgttt ggaaagcgtc gcaataagac
gcacacgttg tgccgccgct gtggctctaa gg
                                                                         92
<210> 817
<211> 367
<212> DNA
<213> Homo sapien
<400> 817
ttggaggact atttgaattt tgcaaactat ctcttgtggg tttttacacc actaatactt
                                                                         60
ttaatacttc cttactttac tatctttctt ctctacctta ctattatttt cttacacatt
                                                                        120
tataagagaa agaatgtatt gaaagaagcc tactctcata atttatggga tggtgcaagg
                                                                        180
                                                                        240
aaaacagtgg caactctgtg ggatggacat gcagccgttt ggcatggtta tgaagttcat
ggaatggaaa aaataccaga agatggacca gcacttataa ttttttatca tggagctatt
                                                                        300
cctatagatt tttactattt catggctaaa atatttatac acaaaggcag aacttgccga
                                                                        360
gtagtag
                                                                        367
<210> 818
<211> 381
<212> DNA
<213> Homo sapien
<400> 818
                                                                         60
aaataaaagt attacgtaac tttgaaattt gtataaaatt aaaagatagt aaaaacaact
attctaacag aattcaaaac ctgttatgct tcagtggaga gattattcaa gataagtccg
                                                                        120
tgggaaattg ggagtacatt tctactggca aagttagtga taactatgca cttctgacaa
                                                                        180
aatgtgaaat ggggggtatg ggcgtgtcat atcatcatgg tgcagatacg tggatgtgtg
                                                                       240
cttccaaaca atggcaacct aactgactgc tggaaccata caaaatacct gaaactactc
                                                                        300
agaaagaagg tgaaaattgc atgcaaaaat tatttgaaaa atattgagct aacacaacat
                                                                        360
                                                                        381
gaatttggaa ttataagtga g
<210> 819
<211> 109
<212> DNA
<213> Homo sapien
<400> 819
ccatggccgc ttccagacca tggaggagaa gaaagcattc atgggaccac tgaagaaaga
                                                                         60
                                                                        109
ccgaattgca aaggaagaag gagcttaatg ccaggaacag attttgcag
<210> 820
<211> 309
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(309)
<223> n = A, T, C or G
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<400> 820
ctggaaaaac ctttcagcga accatttcag ctcaggacac gttagcgtat gccacagctt
                                                                       60
tgttgaatga aaaagagcaa tcaggaagca gtaatgggtc ggagagtagn cctgccaatg
                                                                      120
agaacggaga cagncatcta cagcagggtt cagaatctcc catnatgatt ggtgagttga
                                                                      180
                                                                      240
gaagngacct tgatgatgtt gatccctaga ggaacatgcc cagcctgaga ggagncaaga
cacaatactg gatgctcagc accttctttg gaatcagaat ctcgaaccct ntggaagagc
                                                                      300
ctgnagatt
                                                                      309
<210> 821
<211> 236
<212> DNA
<213> Homo sapien
<400> 821
catccgcttc ctgaatgctg agaatgcaca gaaattcaaa acaaagtttg aagaatgcag
                                                                       60
                                                                      120
gaaagagatc gaagagagag aaaagaaagc aggatcaggc aaaaatgatc atgccgaaaa
agtggcggaa aagctagaag ctctctcggt gaaggaggag accaaggagg atgctgagga
                                                                      180
236
<210> 822
<211> 388
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A, T, C \text{ or } G
<400> 822
gcgaggcaag atggagttag tgcaggtcct gaaacgcggg ctgcagcaga tcaccggcca
                                                                       60
cggcggtctc cgaggctatc tacgggtttt tttcaggaca aatgatgcga aggttgntac
                                                                      120
attagtgggg gaagacaaat atggaaacaa atactatgaa gacaacaagc aattttttgg
                                                                      180
                                                                      240
ccgtcaccga tgggttgtat atactactga aatgaatggc aaaaacacat tctgggatgt
ggatggaagc atggtgcctc ctgaatggca tcgttggctt cacagtatga ctgatgatcc
                                                                      300
                                                                      360
tecaacaaca aaaccaetta etgetegtaa atteatttgg acgaaccata aatteaacgn
                                                                      388
gactggcacc ccagaacaat atgtacct
<210> 823
<211> 353
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A, T, C or G
<400> 823
                                                                       60
aaaagtttgg atctttttct cagcaggtat cagttgtaaa taatgaatta ggggccaaaa
tgcaaaacga aaaatgaagc agctacatgt agttagtaat ttctagtttg aactgtaatt
                                                                      120
                                                                      180
gaatattgtg gcttcatatg tattatttta tattgtactt ttttcattat tgatggnttg
.gactttaata agagaaattc catagttttt aatatcccag aagtgagaca atttgaacag
                                                                      240
```

```
tgtattctag aaaacaatac actaactgaa cagaagtgaa tgcttatata tattatnata
                                                                        300
gccttaaacc tttttcctct aatgccttaa ctgtcaaata attataacct ttt
                                                                        353
<210> 824
<211> 264
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A, T, C or G
<400> 824
ctgggtgcag gcgggctgag tccgaaaaga gagtcagcaa agggagatgg ggtggggccg
                                                                         60
ttttatagga ttagggaagg taatggaaaa ttacagtcaa agggggtttg ttctctggtg
                                                                        120
ggcaggtgtg gatctcacaa agtacactct caagggtggg gagaattaca aaggaccttc
                                                                        180
                                                                        240
ttaagngtgg gggagattac aaagtacatt tatcagttag ggnggngcag gaacaaatca
                                                                        264
caatgttgna atgtcatcag ttaa
<210> 825
<211> 361
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A, T, C or G
<400> 825
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ggcatgatet ceceaatgtg tttttactee tttteegget tetaggacag aggtatgtag
                                                                        120
tcaaagaatc ctatggtgga tctgaattgg gtttcagcta ctgtacctgg tccttgtgaa
                                                                        180
ttaaaaaaat aaagtcacaa aaaccatatn acaaaacaaa ttaaaataaa tagacaaaat
                                                                        240
gaagetgtet ceaqaeette tgeattgaca cacaggtttq aaqteaacea aageaeteat
                                                                        300
gctaatctgg atqqgaacac taqqqaqaca qaaaccccaq tatqaaacca tqtacttgaq
                                                                        360
                                                                        361
<210> 826
<211> 195
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A, T, C or G
<400> 826
ecceaquagn queqeageee tetatnggee enautettet teantegete caggtettea
                                                                         60
eggagettgt tgtecagace attggetagg acetggetgt attttecate etttacatee
                                                                        120
ttctgtctgt tcaagaacca gtctgggatc ttgtactggc gnggattctg cataatggng
                                                                        180
atcacacgtt ccacc
                                                                        195
```



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<210> 827
<211> 227
<212> DNA
<213> Homo sapien
<400> 827
caacggctct tcacagacca cctccttttc taaggaaaat ggctggtatg acgtgatgag
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tgatacatat tttgattcag gttttgtctc taaagtagca cttcttacca cagagatcaa
                                                                        120
ggacttgggt aatattatgc ttttttcctt caatggatta attttcttaa tataaaaaca
                                                                        180
gatgaatacc aggctaagca ctagaaagag tagtaaagca gcaacaa
                                                                        227
<210> 828
<211> 242
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(242)
<223> n = A, T, C or G
<400> 828
atgtccgggg agtcagccag gagcttgggg aagggaagcg cgccccggg gccggtcccg
                                                                         60
gaggntcgat ccgcatctac agcatgaggt tctgcccgtt tgctgagagg acgcgtctag
                                                                        120
tcctgaaggc caagggaatc aggcatgaag tcatcaatat caacctgaaa aataagcctg
                                                                        180
agtggttctt taagaaaaat ccctttggtc tggngccagt tntggaaaac agtcagggtc
                                                                        240
ag
                                                                        242
<210> 829
<211> 374
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(374)
<223> n = A, T, C or G
<400> 829
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ctatgcatqt qcatggcttq ccctqqttta qcttggaaac tgattgaaag tcagagagat
                                                                        120
cactggcttt gagacttgct tgggggactt gggtagcgtc agaggagtct tccttcttac
                                                                        180
tctctgatgg gagccttgga acagaagttc tcaaaggctc aacgactgcc cctgcgtgat
                                                                        240
tagcatcgag agaagtagag ctttctcctg cactgaactc tttaggggat gaaattccca
                                                                        300
gcccactgct gccatcaggt gagtcagtct ggcttttgng cttgagttga ctgctggaag
                                                                        360
aagacgctat tgta
                                                                        374
<210> 830
<211> 325
<212> DNA
<213> Homo sapien
<220>
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<221> misc_feature
<222> (1)...(325)
<223> n = A, T, C or G
<400> 830
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tgccaagttc acgcttattg tgacagatgt gaatgaagca cctcaattct cccaacacgt
                                                                        120
attccaagcg aaagtcagtg aggatgtagc tataggcact aaagtgggca atgtgactgc
                                                                        180
                                                                       240
caaggatcca gaaggtctgg acataagtta ttcactgagg ggagacacaa gaggttggnt
taaaattgac cacgtgactg gtgagatctt tagtgtggct ccattggaca gagaagccgg
                                                                        300
aagtccatat cgngtacaag tggtg
                                                                        325
<210> 831
<211> 85
<212> DNA
<213> Homo sapien
<400> 831
tggtaccggg cccccccct gagcgatgga gcgtgggtag ggagggtcca cagtgtccac
                                                                         60
tcgccgtgtg cgaaggttga ctcgg
                                                                         85
<210> 832
<211> 202
<212> DNA
<213> Homo sapien
<400> 832
aggcggagag gatcatgtcc gggaactgcg gggtagtagc gatctgggtt acccagccgt
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tgtggccctt gagggtgcca cgaagggtca tctgctcagt catggcggcg gcgagagcgt
                                                                       120
gtgtcgctgc agcgacgagg atggcactgg atggcttaga gaaactagca ccacaacctc
                                                                       180
tectgeegte gaegeggeeg eg
                                                                       202
<210> 833
<211> 503
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A, T, C or G
<400> 833
eeggetggte etgeategee atetgetgge egegeggeae ggeeggttee tggageeage
                                                                        60
aggagtegga ggetgeaggg ettgaaggee tetteacegt geeeteeagg gageetaget
                                                                       120
gccgaagtat teetgetgga aettetggaa gtetteeteg gtgaacaegg tgeeeteage
                                                                       180
ettettette ttggtettgg ceacaggeeg gteacaggee ttgeggeece ggttetggeg
                                                                       240
caaaatctgc tggctcacag actcagccac ggtgcttctc gtcctggtca gaaacttcag
                                                                       300
gtttactetg aggtggtete gacacteteg etteeggtae tegteeagtg eegaettggg
                                                                       360
                                                                       420
cacctttccc ttggccgagt tccqcaqttt ctgggcctga attgccttcg tcttccgggg
                                                                       480
ccgtttcacc ggancccctc tcggcttggc ctgacctgga gggtcccggg gggcctngga
cgccgccagc agctncaggc ccc
                                                                       503
```

<210> 834

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<211> 208
<212> DNA
<213> Homo sapien
<400> 834
                                                                         60
atccagagac aatctgccgg ttgtcagagg agaaggccac actcagcaca tccttggtat
                                                                        120
ggcccacaaa tcgcctcgtg gtggtgcccg ttgtgagatc ccagaggcgc agggttccat
cccaggagcc tgagagggca aactggccat ctgaggagat aaccacatca ctaacaaagt
                                                                        180
                                                                        208
gggagtgacc ccgcagagca cgctgtgg
<210> 835
<211> 210
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(210)
<223> n = A, T, C or G
<400> 835
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atagtcctgt ggtgatttgg aggatcangc aggcgccaag gagtgagccg aagtttcatc
                                                                        120
atgcggagat gttggatggg gtggggaggt cgatgaatga gtggttaatt aattttatta
                                                                        180
                                                                        210
gggggttaat tttgcggtcg acgcggccgc
<210> 836
<211> 426
<212> DNA
<213> Homo sapien
<400> 836
                                                                         60
eggeegeeae getggttttg catetteagg agacgetegt ageectegeg etteteeteg
                                                                        120
gccaattcgc ggaagaagtg gctcacgcct tccagagcca catcatcgcg gtcgaaatag
                                                                        180
aagcccagag agaggtaggt gtaggaggcc tgcaggtaca aattgaccag gctgttgacg
                                                                        240
gctgcctcca cgtcggtgga ataattctga cgaatctggg agctcatggt tggttggcaa
                                                                        300
gaaggagcta accacaaaaa cggtgctggc aggtcccaga agcaggagat ggccgagaag
                                                                        360
atggtcccgg aggttgcaag cggagaggaa atcggagggc ggtcggaggc tggaagagag
                                                                        420
tecceggate tgtteegtee aaacaetgtt gaageaagag acagaeeege ggtegaegeg
                                                                        426
gccgcg
<210> 837
<211> 134
<212> DNA
<213> Homo sapien
<400> 837
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ccagggccgt gggccgaccc cggcggggcc gatccgaggg cctcactaaa ccatccaatc
                                                                        120
ggtagtagcg acgggcggtg tgtacaaagg gcagggactt aatcaacgca agcttatgac
                                                                        134
ccgcacttac tggg
<210> 838
<211> 538
<212> DNA
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<400> 841

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<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A, T, C or G
<400> 838
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ctagtggaag ccttccagta atttcttgaa gctgagcgct caggtgagta gggcgacatc
                                                                       180
tggtggccgg ttgttgaagg tcattgcaga gaggaaggaa gccgaggagg ggagcctgca
                                                                       240
qtqaqqqcqt cctqqqqttc tccqqttctc accacccttq qqccacqccq tctaqtccac
                                                                       300
acctgaggag ttggtcaggt agaaggggg gatgaccgtg cggaagccgt tgaagtgccc
tgccqqqcaq qqqaaqqaqq aqqtqctctt cqaqctqttq qtqtccaqqq cactqqqaat
                                                                       360
                                                                       420
cgcagccttc cagccctcga aatcggtgac gtctgccacg aagagccctt cgcagagcat
                                                                       480
cagggetttg ttttcgtagg caatggtgcg atctgagccg ccagacttgg tgaggcccan
                                                                       538
gacagggage tegteegagg ageaggagaa geegtagtte cageagetet ggatggtg
<210> 839
<211> 351
<212> DNA
<213> Homo sapien
<400> 839
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aagagggggc gagcggtaga accttgggtc cttgtagccg cggtcccagg gcggaaagat
                                                                       120
cggccgcgcc agccagggca cgaagtgcat cttccccgca aaggtgatgg gctccaqtcc
                                                                       180
                                                                       240
agggateteg taccecetat ceaggggagg aggeteegae tteegegtgg agegeaegee
ceactcatac gecegegte teggggeece gaageececa aggeegaget geeeggagee
                                                                       300
agctagegee egecttgegg geeeggaege caatgecata eegatetgat a
                                                                       351
<210> 840
<211> 574
<212> DNA
<213> Homo sapien
<400> 840
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ccgtgctctq cqtqacqcaq tccatccaca gccccttqta catqqcctqq qccgtgatga
                                                                       120
tgttgtcacc cgcataggag ctcatctgcc actgcgggat ggcggtgcag gccaccagac
                                                                       180
ccacccagcc cagcagggcc atggagaagc ccagcaactg caggcccgaa ttggccattt
                                                                       240
                                                                       300
ccgccctcag aaaacactgg gggcgccggg cgggagaccc tacagtaaaa caaacgacac
                                                                       360
ttggggggca gcccacaaa agaaaacttg aggtggagtt ttccggtcac ccaaagagac
aaaaagggtt tgggccaggt gaatgcaaat cttgtcacca aactacacac aaatcgaccc
                                                                       420
ctccagtgaa gcgatggcct cgcggcacag ggagtaggat acgccgggag ggtggttcca
                                                                       480
                                                                       540
gacaaaattg gtggtccccg aaggccaggc ggttccctcc ggcgctctcg gcgaccctag
                                                                       574
gcaaacaaaa ggtggagggg ccgtctgggc gcgt
<210> 841
<211> 195
<212> DNA
<213> Homo sapien
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gacccagggg cacaggctco agtccggggc tgtgtgtagc acatgctatc tatctaccag ccagcaaggg ctctg	aaacctgtca	gcagctgcct	cctgggacaa	ccaccccctt	60 120 180 195
<210> 842 <211> 207 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(207) <223> n = A,T,C or G					
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<210> 843 <211> 62 <212> DNA <213> Homo sapien	·				
<400> 843 cgatggagcg tgggtaggga gg	gggtccacag	tgtccactcg	ccgtgtgcga	aggttgactc	60 62
<210> 844 <211> 118 <212> DNA <213> Homo sapien					
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cggctggaga cccacgacct <210> 845 <211> 99 <212> DNA	ggcctgccgt	tgecetgage	tgeageeteg	geeecagg	118
<213> Homo sapien <400> 845					
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<210> 846 <211> 559 <212> DNA <213> Homo sapien					
<220>					

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<222> (1)...(559)
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teceteacaa ggtaggeeac aaattettgg tggtgeeete acatetgggg tetteaggea
                                                                       120
ccagccatgc ctgccgagga gtgctgtcag gacagaccat gtccgtgcta ggcccaggca
                                                                       180
cageccaace acteeteate caagtetete ecaggtttet ggteecgatg ggeaaggatg
                                                                       240
accectecag tggetggtac eccaccatec cactaccect cacatgetet cactetecat
                                                                        300
caggitcccca atcctggctt ccctcttcac gaactctcaa agaaaaggaa ggataaaacc
                                                                       360
                                                                       420
taaataaacc agacagaagc agctctggaa caaaaagtac aaaaagacag ccagaggtgt
gcggagaggg tgaggtggcc gcgtggacgt gggtagataa tcgcatgcag cactggaact
                                                                       480
cctgatgagg ggtggggtcc ccacttctcc tcaaggtttg agggattggg gggaggggt
                                                                       540
                                                                       559
cagctgactc ananaagta
<210> 847
<211> 430
<212> DNA
<213> Homo sapien
<400> 847
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                                                                        60
gccagttcgc ggaagaagtg gctcacgcct tccagagcca catcatcgcg gtcgaaatag
                                                                       120
aagcccagag agaggtaggt gtaggaggcc tgcaggtaca aattgaccag gctgttgacg
                                                                       180
                                                                       240
gctgcctcca cgtcggtgga ataattctga cgaatctggg agctcatggt tggttggcaa
                                                                       300
gaaggageta accacaaaaa cggtgctggc aggtcccaga agcaggagat gqccgagaag
                                                                       360
atggtcccgg aggttgcaag cggagaggaa atcggagggc ggtcggaggc tggaagagag
tecceggate tgtteegtee aaacaetgtt gaageaagag acagaeeege gggaegtega
                                                                       420
                                                                       430
cgcggccgcg
<210> 848
<211> 546
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A, T, C or G
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                                                                        60
taggaggagt tggcggaagc acttggaact cctttataag tgtcagctgt gagattttaa
                                                                       120
                                                                       180
tttgatttga aaatgagtaa gtgcanaaag acaccagttc ancagctagc aagtcccgcg
tcattcagcc cagatattct tgctgacatt tttgaactct ttgccaagaa cttttcttat
                                                                       240
ggcaagccac ttaataatga gtggcagtta ccagatccca gtgagatttt cacctgtgac
                                                                       300
cacactgaat ttaatgcatt tcttgatttg aagaactccc taaatgaagt aaaaaaccta
                                                                       360
                                                                       420
ctgagtgata agaaactgga tgagtggcat gagcacactg ctttcactaa taaagcgggg
aaaatcattt ctcatgttag aaaatctgtg aatgctgaac tttgtactca agcatggtgt
                                                                       480
aagtteeatg agattttgtg cagettteea ettatteeae aggaagettt teagaatgga
                                                                       540
aaactg
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<211> 196 <212> DNA <213> Homo sapien <400> 849 60 gaagteette ageaggeeae geteggaeag ggtgegeete aaggaettet ttetgatgag ggggaccttg tacatgatgc actcagagag cgccaccaga cccagcagca gcagccactt 120 catggttett ecegggteec aactegaggg agaaggegte gaegeggeeg egaatteeae 180 196 cacactggac tagtgg <210> 850 <211> 543 <212> DNA <213> Homo sapien <400> 850 cactgatatt ggagaaaagc acatccggca taaagtgtaa accagtgtct caaacactgg 60 aagaaccggg agagcaaaca tgatttttct tatttcctct aagtaatctt tctttagtaa 120 aacaacaagt gatctttggc atagattcat actttaaagg cattaatatt gcatttatat 180 caggcaagca actatacaaa tatgctgagg gccttgaaaa taatcatcct cattttaaag 240 gaaatagtga aagcctgagt gtaaaggacc aacttaagtt gtacacattc gatgttggga 300 360 actaacaca agcgatgggt gggaaggaag gatgttcagg caaggttctt actcctttac 420 tcatctggtt ctggctttgg gaaaaaataa ggtttcatgt gctgggaaat acttagcagt aataagtacc aaaaaggaaa cactgccctc tcattttgcc tagtaggaac ttactgtggt 480 gataagaaat atgaaaccca ttactctctt gaaccccata cttgggagta gatgcagaga 540 gct 543 <210> 851 <211> 190 <212> DNA <213> Homo sapien <400> 851 60 aggcggagag gatcatgtcc gggaactgcg gggtagtagc gatctgggtt acccagccgt 120 tgtggccctt gagggtgcca cgaagggtca tctgctcagt catggcggcg gcgagagcgt gtgtcgctgc agcgacgagg atggcactgg atggcttaga gaaactagca ccacaacctc 180 190 tcctgccgcc <210> 852 <211> 407 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1) ... (407) <223> n = A, T, C or G<400> 852 60 aggeeteaca gaggegggg cagaaggegg egacecanag eegeeacate eecegeettg ggcgccgtca cagtccccag acgccctgga ctcctgcagt ctacgaagac gcgcggggga 120 cggcgtggtt ccgagagagg gcgccaaagg cgacgtgccg gccgccagct ccaggccgag 180 240 eccegagege etgeaggaae aggeeeette acceggegeg ggaegeagag etgegagaga atcttgttca gcgcggactc aacgccaggg cgccgcctag aggttggtct ctgtctcggc 300

260

ctcacccgcc gggagaccac aaaaaaaatc cagctggggt			_	aaattggaaa	360 407
<210> 853 <211> 626 <212> DNA <213> Homo sapien					
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<210> 854 <211> 218 <212> DNA <213> Homo sapien					
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<210> 855 <211> 50 <212> DNA <213> Homo sapien					
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<210> 856 <211> 116 <212> DNA <213> Homo sapien					
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<210> 857 <211> 402 <212> DNA <213> Homo sapien					

<pre>&lt;400&gt; 857 ggcgacgacc ccaagaggga gttccactct tacacggcag ctgcatctcg gggatcttca acacacttcg gagtggtcca tgtttccaag attgcctaca cgagatctag ggttaaaaaa ctttcctccg gcccaacacc</pre>	ccacatagtg aattcaacaa tagtagccaa taaaccttac tgcggcggct	ttcttccatc aagcaaagcc aagcccgttc agtccaatgg caaatccaca	tagetetegg gggtgggttt caatteegte acaggaatea egeteegatg	actgcatcag ctagcaaccc ttgttgccat cgatgcattt	60 120 180 240 300 360 402
<210> 858 <211> 172 <212> DNA <213> Homo sapien					
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<210> 859 <211> 196 <212> DNA <213> Homo sapien					
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<210> 860 <211> 538 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(538) <223> n = A,T,C or G					
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<210> 861 <211> 204 <212> DNA					

<213> Homo	sapien					
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<221> misc feature
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cag
                                                                        123
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ctgcatctcc aggtcggtcc tggccagggt cagctcatcc agcaccctgc gcaggccgtt
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                                                                        120
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<211> 579
<212> DNA
<213> Homo sapien
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<221> misc_feature
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tcccctgtgc atatgttcca tattcaagta ttganaatgc ccagtaactt actatagcag
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cttaactttt taaaactgcc acagaatttg ctacnaattt aggnccttca aatgttttaa
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atgtgnggaa caatgctaca tntacacttg gntggcttaa tcaacctntt caatgggggg
                                                                       300
ccctgaggaa gcnccnccag agggaggagc tccaccacca ggaaatcccc caggcattcc
                                                                       360
teetggeatg ceteetgeae thiggtaeag ettggtgatg atggggttge aaaetttete
                                                                       420
cagethttte tgntgatgtt caaattette etteteagea gtetgattht tateaageea
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gnngataatt tcattacact tgtccanaat cttctgtntg ncctcatcgn taatcttgcc
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accacgtggc cacgcgccgc tgccagtcct tgtggaagtg gggcttcaag accatgccat
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<210> 879 <211> 78 <212> DNA <213> Homo	sapien					
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<222> (1)...(373)
<223> n = A, T, C or G
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caccegegea gtggaacgag aggcegtnga agagegagac ctgccaggge tgcgagecge
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gcgcgcacgg ggcgccatag gcttcggggt ccaagcgcgt gtcgttttgg gggagcagcg
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ccgcctctgc ggcccagagt tgcgccatca gcagcggcag cagcttcgcc agagcccggg
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ggggtcccgg gatggtggag ggggccgggg tcggggcctg caggatggtc atggtcgggt
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<210> 884
<211> 601
<212> DNA
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<221> misc feature
<222> (1)...(601)
<223> n = A, T, C or G
<400> 884
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aagctgattg aagcaaccet ctactttttg gtcgtgagee ttttgettgg tgcaggttte
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attggctgtg ttggtgacgt tgtcattgca acagaatggg ggaaaggcac tgttctcttt
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gaagtagggt gagtcctcaa aatccgtata gttggtgaag ccacagcact tgagcccttt
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<212> DNA
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<223> n = A, T, C or G
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tgtgtcnntg cagcgacgag gatggcactg gatggcttag agaaactagc accacaacct
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<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(442)
<223> n = A, T, C or G
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caagttggtc acgtggtcac ccaattcttt gatggctttc acctgctcat tcaggtaatg
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tcacgtcctc attgatcagc ggcggtgcct cggaggaggc gctgcccggc gccggggccc
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<211> 89
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<213> Homo sapien
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<213> Homo sapien
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<222> (1)...(451)
<223> n = A, T, C or G
<400> 889
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gctgctccgg gcccaacacc agccctggcc aggctctccc ctcccagggg cagcgcccag
                                                                        120
                                                                        180
tececagggg etgecagage cetgtgtgee ttgeegeatt eccetgatge agettttgge
                                                                        240
aactgaaagg cagggctctc gctgagtgca cctggggctt cctgagccca tctgcggcgg
coccaccety geotaggtge tgagtgeage tgetgeagae ageoecteec teettagtgg
                                                                        300
agcctggagg gtggggtgct cggggatgca ggcaggggca ggggctccag agccacaggt
                                                                        360
cagaagcagg gctgggggag gggtggagcc attcagcctc aggcaccctc acagctaggt
                                                                        420
                                                                        451
gactaggggc agggacagaa tggggtgaat t
<210> 890
<211> 66
<212> DNA
<213> Homo sapien
<400> 890
tecactagte cagtgtggtg gaattegegg eegegtegae etgetgeete acceacaget
                                                                         60
tttgat
                                                                         66
<210> 891
<211> 599
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(599)
<223> n = A, T, C or G
<400> 891
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gggcgtcctg gtgcttacca cctggaaact ggtgaggtgg tgggagaact cctggtggac
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cctagtggaa gccttccagt aatttcttga agctgagcgc tcaggtgagt agggcgacat
ctggtggccg gttgttgaag gtcattgcag agaggaagga agccgaggag gggagcctgc
                                                                        180
agtgagggcg tcctggggtt ctccggttct caccaccctt gggccacgcc gtctagtcca
                                                                        240
cacctgagga gttggtcagg tagaaggggc ggatgaccgt gcggaagccg ttgaagtgcc
                                                                        300
ctgccgggca ggggaaggag gaggtgctct tcgagctgtt ggtgtccagg gcactgggaa
                                                                        360
                                                                        420
tegeageett ecageeeteg aaateggtga egtetgeeae gaagageeet tegeagagea
                                                                        480
tcagggcttt gttttcgtag gcaatggtgc gatctgagcc gccagacttg gtgaggccca
                                                                        540
ggacagggag ctcgtccgag gagcaggaga agccgtagtt ccagcagctc tggatggtgg
ggaggtagac cagggaccag gacaccetet tgteetggaa gangaagetg gggtgttgt
                                                                        599
<210> 892
<211> 113
<212> DNA
<213> Homo sapien
<400> 892
gtctcaaaca ggaccgcatt tccggcattt cggctggtgt ccgtgttagt ggccacctgg
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gccagcaagt cattcatggt ctcactgctc tcctcgtggt tccggcccag gat
                                                                        113
<210> 893
<211> 208
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A, T, C or G
<400> 893
gaggeggaga ggateatgte egggaaetge ggggtagtag egatetgggt tacceageeg
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ttgtggccct tgagggtgcc acgaagggtc atctgctcag tcatggcggc ggcgagagcg
                                                                        120
tgtgtcgctg cagcgacgag gatggcactg gatggcttan agaaactagc accacaacct
                                                                        180
ctcctgccgg tcgacgcggc cgcgaatt
                                                                        208
<210> 894
<211> 67
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(67)
<223> n = A, T, C or G
<400> 894
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                                                                         67
cggtagt
<210> 895
<211> 58
<212> DNA
<213> Homo sapien
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<220> <221> misc_feature <222> (1)(58) <223> n = A,T,C or G					
<400> 895 gcggccgccc ttttttttt	tttttttt	tttttttt	ttttttcccn	cnctaaaa	58
<210> 896 <211> 177 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(177) <223> n = A,T,C or G					
<400> 896 gacattttat gacctctccc ctnagtgagt ataaatacgc ggctgtgagc agtgttggtg	caanaanagc	tgtggcttct	ttcactggtg	tcctcagaaa	60 120 177
<210> 897 <211> 542 <212> DNA <213> Homo sapien			•		
<pre>&lt;400&gt; 897 gctttctcct tcttatagac agtttcagtt cttcagcaga aggatgagtt tggagcggta gacttgttcc gcctcctcgg atgccggcca ccctgagctc taccgaaccg tggggcagcg atgcggcgcg ccttggcttg aaccacgtgg ccacgcgccg ttccggctgg gcgccatggc</pre>	actgtctccc ctccttcagc atccacagaa ctccaggctg cacgatggc ccgggcctta ctgccagtcc	ttcttggggg cgctgcacgt atgccgatgg aagccgcggc cggatgggac cgtctgcgga ttgtggaagt	ccgagggctt tggtctgcag tccggggcac cggcgcgcac ccgacgcggg tcttacgggc ggggcttcaa	cctggggaag ggactccgtg cttcttgtga cttcgtgtgg gcgcggggcg cggctggttg gaccatgcca	60 120 180 240 300 360 420 480 540
<210> 898 <211> 165 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(165) <223> n = A,T,C or G					
<400> 898 tancnatctg ggttacccag cagtcatggc ggcggcnana c					60 120

tanagaaact	agcaccacaa	cctctcgtcg	acgcggccgc	gaatt		165
<210> 899 <211> 67 <212> DNA <213> Homo	sapien					
<400> 899 tccactagtc ttttgat	cagtgtggtg	gaattcgcgg	ccgcgtcgaċ	gctgctgcct	cacccacagc	60 67
<210> 900 <211> 77 <212> DNA <213> Homo	sapien					
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<210> 901 <211> 114 <212> DNA <213> Homo	sapien.					
		gggctccggg aagggcgggg				60 114
<210> 902 <211> 64 <212> DNA <213> Homo	sapien					
<400> 902 tacactactc aagt	ctgaggatgc	tactcccgag	cccggagagg	acccacgcgt	gacccgggcc	60 64
<210> 903 <211> 63 <212> DNA <213> Homo	sapien					
<400> 903 tcaaaagctg gat	tgggtgaggc	aggtcgacgc	ggccgcgaat	tccaccacac	tggactagtg	60 63
<210> 904 <211> 142 <212> DNA <213> Homo	sapien					
<400> 904 tcctcagcca	gggagacagg	gaccaggcag	cacaggcctg	ccagcaggag	gatgccccac	60

gagacagaag acggcattg	t coattcacto	teccaggtea	gatcaacaca	gccgcgaatt	120
ccaccacact ggactagtg	_		55555	, <u>,</u> -,	142
<210> 905					
<211> 101					
<212> DNA <213> Homo sapien					
<400> 905 tccactagtc cagtgtggt	g gaattcgcgg	ccacatcaac	gccacctccg	agagcctgga	60
tgtgatggcg tcacagaag					101
<210> 906					
<211> 506					
<212> DNA <213> Homo sapien					
(213) NOMO Sapien					
<220>					
<221> misc_feature <222> (1)(506)					
<223> n = A, T, C or G					
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gtcaacaatt tacggaggg gggtttgggt cagcaggct					120 180
ccaagggagg gtcttggga					240
catgtcagga gccttctca	c tgctgctggc	ggnccagggt	gcgtcccgca	ccacaaagcc	300
tntggaaggt gccttggcc actgtccacc acgtcagct					360 420
ctccacattc tctgggagc					480
tgggaagcga atgtccacc	t tgaatt				506
<210> 907					
<211> 93					
<212> DNA <213> Homo sapien					
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aggacctgat tgccaaagg			,,,,,,,,,,	999-99	93
<210> 908					
<211> 238					
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1210/ HOMO Saptem					
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gggtagagaa ccctgcggc ggggccgctg cgggctccg					120
cggggtcccg ggatggtgg	a gggggccggg	gtcggggcct	gcaggatggt	catggtcggg	180
tggcagctgc gagagtgac	a catggtgagc	cgagcggagg	tcgacgcggc	cgcgaatt	238
<210> 909					

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<211> 190
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(190)
<223> n = A, T, C or G
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cctagtggaa gccttccagt aatttcttga anctgancgc tcaggtgagt agggcgacat
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ctggnggccg gntgttnaan gtcattgcnn anaggaagga agccgaggag gggancctgc
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ngtgagggcg
<210> 910
<211> 93
<212> DNA
<213> Homo sapien
<400> 910
tecegetgea caagtteaeg tecateegee ggaceatgte ggaggttggg ggetetgtgg
                                                                         60
                                                                         93
aggacctgat tgccaaaggc cccgtctcaa agt
<210> 911
<211> 261
<212> DNA
<213> Homo sapien
<400> 911
                                                                         60
gggtccgtca gggctgaaga cctgcccagg cacacaactc accacggccg gtagcccatt
ctcgcaggtg acattettca tggggtccag tgacacetgg gggcccaget tgcagetgga
                                                                        120
                                                                        180
gatgtgggcc tctgtgccgg tgcagtccat ggagaatggc cagtagcgct gcttcctccg
                                                                        240
tgaggcaaac attttgtaca ctttggtatt gtatgtcctc tccccaggga agccaaacat
                                                                        261
gccgcagacc acgcgggaat t
<210> 912
<211> 67
<212> DNA
<213> Homo sapien
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                                                                         60
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                                                                         67
cggtagt
<210> 913
<211> 545
<212> DNA
<213> Homo sapien
<400> 913
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                                                                         60
                                                                        120
agtttcagtt cttcagcaga actgtctccc ttcttggggg ccgagggctt cctggggaag
                                                                        180
aggatgagtt tggagcggta ctccttcagc cgctgcacgt tggcctgcag ggactccgtg
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gacttgttcc gcctcctcgg atccacagaa atgccgatgg tccgggccac cttcttgtga
                                                                        240
                                                                        300
atgeeggeea ceetgagete etecaggetg aageegegge eggegegeae ettegtgtgg
taccgaaccg tggggcagcg cacgatgggc cggatgggac ccgacgcggg gcgcggggcg
                                                                        360
atgcggcgcg ccttggcttg ccgggcctta cgtctgcgga tcttacgggc cggctggttg
                                                                        420
aaccacgtgg ccacgegeeg etgecagtee ttgtggaagt ggggetteaa gaccatgeea
                                                                        480
ttccggctgg gcgccatggc tgcctacggc cctgcggctc ctgcgcgtcg acgcggccgc
                                                                        540
gaatt
                                                                        545
<210> 914
<211> 295
<212> DNA
<213> Homo sapien
<400> 914
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                                                                        60
aaaaccatcc aggagcacag ctgggtctca tgatgatatc acccaggact cctgttttgg
                                                                       120
ccaggcaget cagcaatagg agcagecgca tgettetgga agceatette etectaceet
                                                                       180
gaggatgtag ctagtgcaag gatctcagag accttactag cgcttctttg aaactcctgg
                                                                       240
gttctccttg atctgcaaat ctgtttggca accaaggtcg acgcggccgc gaatt
                                                                       295
<210> 915
<211> 391
<212> DNA
<213> Homo sapien
<400> 915
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gatgcctgaa gtgatgacca cgatggcgga agtgacagag aggatgttga ccacgcagta
                                                                       120
ctgcagagcc accgcatctt gaggggtgcc cacgtagcgc agcactgtgc catggaacag
                                                                       180
ggcagctgtg atgaagctca catggcccag caccaccagc accaggcctg tcttcatcag
                                                                       240
cacctteegg aagtegeea cacteaggee teegaggege agacacatgt eggeteegeg
                                                                       300
ctggtcccgc ccccggcttc agcgcggctc ccgaggctgc gggccgccgg gggaccctgc
                                                                       360
tcccatcccg ctgtcgacgc ggccgcgaat t
                                                                       391
<210> 916
<211> 559
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
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<223> n = A, T, C or G
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cctagtggaa gccttccagt aatttcttga agctgagcgc tcaggtgagt agggcgacat
                                                                       120
ctggtggccg gttgttgaag gtcattgcag agaggaagga agccgaggag gggagcctgc
                                                                       180
agtgagggcg tcctggggtt ctccggttct caccaccctt gggccacgcc gtctagtcca
                                                                       240
cacctgagga gttggtcagg tagaaggggc ggatgaccgt gcggaagccg ttgaagtgcc
                                                                       300
ctgccgggca ggggaaggag gaggtgctct tcgagctgtt ggtgtccagg gcactgggaa
                                                                       360
tegeageett eeageeeteg aaateggtga egtetgeeae gaagageeet tegeagagea
                                                                       420
tcagggcttt gttttcgtag gcaatggtgc gatctgagcc gccagacttg gtgaggccca
                                                                       480
ggacagggag ctcgtccgag gagcaggaga agccgtagtt ccagcagctc tggatggngg
                                                                       540
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<210> 917	•
<211> 447 <212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
$\langle 222 \rangle$ (1)(447) $\langle 223 \rangle$ n = A,T,C or G	
(223) II - A,1,C OI G	
<400> 917	
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tagcacagta cgtctccagg agggccaggt cac	
tgccacggct gcgacggctc acacggcttg cgccacagacgaa ctggagggtg tccaccagct ccc	
aagcagcaat gcancacgag gcgaaggcca ana	aaggngan aagcaccanc atcgacttcc 420
ccattgggat tcccattggt gtctgga	447
<210> 918	
<211> 574 <212> DNA	
<213> Homo sapien	
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ggcgctgggt ggactgcttc caggtgtcat att	tggaagaa cttgcccacg gggtatctgg 120
ggaagttgtc cggaagcacg gtcggagggg tcg	
tagcacagta cgtctccagg agggccaggt cac tgccacggct gcgacggctc acacggcttg cgg	
cacagacgaa ctggagggtg tccaccagct ccc	ccgccgca cagggtctca ctggggcggt 360
<pre>aagcagcaat gcagcacgag gcgaaggcca aga ccattgggat tcccattggt gtctggaagc cgg</pre>	
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ctctggccga gtcgcggggg ccgaatgtgc gad	
<210> 919	
<211> 139	
<212> DNA <213> Homo sapien	
(213) Nomo Sapten	
<400> 919	
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ggcatgggtc agaaggatt	139
<210> 920	
<211> 576	
<212> DNA <213> Homo sapien	
1213/ HOMO Saptem	

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<221> misc_feature
<222> (1)...(576)
<223> n = A, T, C or G
<400> 920
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cagoogcaag aaccoogcoo gcacotgoog tgacotcaag atgtgccact ctgactggaa
                                                                       120
gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt
                                                                       180
ctgcaacatq qaqactggtq aqacctgcgt qtaccccact cagcccagtg tggcccagaa
                                                                       240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat
                                                                       300
gaccgatgga ttccagttcg agtatggcgg ccagggctcc gaccctgccg atgtggccat
                                                                       360
                                                                       420
ccagetgace tteetgegee tgatgteeae egaggeetee cagaacatea ectaceaetg
                                                                       480
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct
                                                                       540
ccagggctcc aacgagatcg agatccgcgc cgagggcaac agccgnttca cctacagcgt
                                                                       576
cactgtcgat ggntgnacga gtcacaccgg nagcct
<210> 921
<211> 421
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A, T, C or G
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ctggatgccc accatgtcgt agtagtcatt gacagccagc cacacctcct cgcccacctg
caacctcagc agcacaccgc ccgagttgac ctgattggtt ttggacgtgt ggccacagaa
                                                                       180
                                                                       240
ggtgaccact ttgacqccqc tqcgqtacaq cagcacgcac aggttggctg tatgcgacgc
gtggtagaca aagtagtaga ggccggggac tttgcaggtg aacttgccag tgctcgtgtc
                                                                       300
                                                                       360
ataatctccc tgcgggttgg tgaggaccgc gttgaatctg atcaggctgt tgggtgcagg
                                                                       420
gggctggtgg gtctgccgag tgaccgngaa cactgactgg aatttctnnt tgnatctgnc
                                                                       421
<210> 922
<211> 177
<212> DNA
<213> Homo sapien
<400> 922
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ctcagtgagt ataaatacgc caagaagagc tgtggcttct ttcactggtg tcctcagaaa
                                                                       120
                                                                       177
ggctgtgagc agtgttggtg gcatacctgt cacagcatct agcaaagcac ctgaatt
<210> 923
<211> 133
<212> DNA
<213> Homo sapien
<400> 923
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tecactagte cagtgtggtg gaattegegg eegegtegae gegageageg geggeggege
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	ggagagacgc ccctgcagcg		ttcctggttt	cggaccccag	cggccggatg	gtgaaatcct	120 133
	<210> 924 <211> 216 <212> DNA <213> Homo	sapien					
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	<210> 925 <211> 649 <212> DNA <213> Homo	sapien					
	<220> <221> misc <222> (1) <223> n = P	(649)					
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•	<210> 926 <211> 341 <212> DNA <213> Homo	sapien					
	tcatgtggca gccagaaggt ctctggcgtc tgcttcggct gcgcaccaga	gtttctccag tgggcggcag tgtccggagg tccactccgg	gtacggcgca gggtggcagg gaactgggtc ctcgcggcgg gggcgtccac gcgtcgacgc	tatggaatag atcttgccaa ctgcggcagc gtccgtctga	ggtcacgggg gtcgcgtagc ccctcagcaa ttccgtcgcc	ggcaaagagg gccctcctcg caacaactcc	60 120 180 240 300 341
	<210> 927 <211> 431 <212> DNA <213> Homo	sapien					

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<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A, T, C or G
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                                                                       120
gaagcccaga gagaggtagg tgtaggaggc ctgcaggtac aaattgacca ggctgttgac
                                                                       180
ggctgcctcc acgtcggtgg aataattctg acgaatctgg gagctcatgg ttggttggca
                                                                       240
agaaggagct aaccacaaaa acggngctgg caggtcccag aagcaggaga tggccganaa
                                                                       300
                                                                       360
gatggtcccg gaggttgcaa gcggagagga aatcggaggg cggtcggagg ctggaagaga
                                                                       420
gtccccggat ctgttccgtc caaacactgt tgaagcaaga gacagacccg cggtcgacgc
                                                                       431
ggccgcgaat t
<210> 928
<211> 538
<212> DNA
<213> Homo sapien
<400> 928
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                                                                        60
                                                                       120
cccgtgctct gcgtgacgca gtccatccac agccccttgt acatggcctg ggccgtgatg
                                                                       180
atgttgtcac ccgcatagga gctcatctgc cactgcggga tggcggtgca ggccaccaga
                                                                       240
cccacccage ccagcaggge catggagaag cccagcaact gcaggecega attggecatt
                                                                       300
tecgecetea gaaaacaetg ggggegeegg gegggagaee etacagtaaa acaaacgaea
                                                                       360
cttggggggc agcccacaa aagaaaactt gaggtggagt tttccggtca cccaaagaga
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                                                                       480
cctccagtga agcgatggcc tcgcggcaca gggagtagga tacgccggga gggtggttcc
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<212> DNA
<213> Homo sapien
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cagctggat
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                                                                       120
                                                                       180
aggatgagtt tggageggta eteetteage egetgeaegt tggeetgeag ggaeteegtg
                                                                       240
gacttgttcc gcctcctcgg atccacagaa atgccgatgg tccgggccac cttcttgtga
                                                                       300
atgeoggeea coetgagete etceaggetg aageogegge eggegegeae ettegtgtgg
taccgaaccg tggggcagcg cacgatgggc cggatgggac ccgacgcggg gcgcggggcg
                                                                       360
                                                                       420
atgeggegeg cettggettg cegggeetta egtetgegga tettaeggge eggetggttg
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cacacacatg cactgctgcc ccgctcctgt	gacgeettea acctgtgatg eccegacegg	gcagctgaca taggtgatgc cgtgcttggg agtaatccaa	tgacctgcca gggccacacc gatagagcag	gggccactga gcagggagct aatggccaca	ccggcgactg tctgcccctt gccccanct	360 420 480 540
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	Jup 20					
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## 284

ggtggtaggg ggtcaaaggg caatgatcca gttggtcccc tggcgccatc	ggagacgtca gctggcttgc ccctgggtct actgagctca cagaggccca catgtcacat gctgatccag	tgaccgtcgt agggcctcct tcagaagagc aagaccagac cgtgagaagt	ccagcagctc ggaaggccat tggaagtgag gcagctcctc	ctgggcaaag gccatccttc gtctcgcagc aagggcacaa	gggctgcct tccagcagct tgggcatgga ttgcagaggg	240 300 360 420 480 540 563
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ggcgcgtcgg ctgcccgctc aaaagtgggg	cctctccct ccggctaccg caagtgggg gcgcttgcac agtctccgcg	cggcgagcac gaggcgaatt cccttctctt	ttaggaaggc ggagaggagg ctcctcctgc	gcggggtggc aggagggag aaagaaaagt	cagttcacag gaaaaagagc ttccggggtt	60 120 180 240 300 306
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cccttggagc ggacgtaggg tttggtgtgg ctgtgcgggg ttcctggggc cttgccgaaa
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tgccggtaca cctctcggcc cttgcgagga ccggagagca ggacagtgcc acagccctta
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ggggagtcca gggccagctg gtcnaaagtg aggatcttgc cccctgccct gaggatgcgg
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ctgcgggccc ggctggtcac gcgcagtgca cataccttca gttngggtac ctcctgaacc
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cgcacatcat cagttatggt ccccacaacc acggccgtct tgttttcccg gccaggaagc
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ttcatcttcc ggatcatccg ggaaagggac agaggcggcc ggttggtgcg actcataaac
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aacctcttca acacaacctg gttgaatgtg gagttggttc ttctggccag aaacctgtat
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aacttgacca acagcctcag gtagatatcc tggct
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<212> DNA
<213> Homo sapien
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                                                                        120
atgtgagtca tgccagcctt gtatcccagg aaggctgtga ggtggaccgg cttggacggg
                                                                        180
teateettag ggaagetett cacetteeca egatgeetge tgetgegett eegaggeagg
                                                                        240
aagccgaggg acccatgtct gggagcggag aactttctgt gagacatcac gcca
                                                                        294
<210> 950
<211> 693
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(693)
<223> n = A, T, C or G
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cattggctgt gttggtgacg ttgtcattgc aacagaatgg gggaaaggca ctgttctctt
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                                                                        240
tgaagtaggg tgagtcctca aaatccgtat agttggtgaa gccacagcac ttgagccctt
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tcatggtggt gttccacact tgagtgaagt cttcctggga accataatct ttcttgatgg
                                                                        360
caggcactac cagcaacgtc aggaagtgct cagccattgt ggtgtacacc aaggcgacca
cagcagctgc aacctcagca atgaagatga ggaggaggat gaagaagaac gtcacgaggg
                                                                        420
cacacttgct ctcagtctta gcaccatagc agcccaggaa accaagagca aagaccacaa
                                                                        480
                                                                        540
cgccggctgc gatgaggaag tagcccacgt tgacaaactg catggcactg gacgacagtg
gcccgaagat cttcanaaag gatgccccat cgattgacac ccagatgccc actgccaaca
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<210> 954 <211> 189 <212> DNA <213> Homo	sapien					
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<210> 957 <211> 62 <212> DNA <213> Homo sapien					
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<210> 958 <211> 199 <212> DNA <213> Homo sapien					
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<210> 959 <211> 212 <212> DNA <213> Homo sapien					
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                                                                        180
                                                                        212
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<210> 960
<211> 177
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
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ctcagtgagt ataaatacnc caagaagagc tgtggcttct ttcactggtg tcctcagaaa
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ggctgtgagc agtgttggtg gcatacctgt cacagcatct agcaaagcac ctgaatt
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<210> 961
<211> 490
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A, T, C or G
<400> 961
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cctagtggaa gccttccagt aatttcttga agctgagcgc tcaggtgagt agggcgacat
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                                                                        180
ctggtggccg gttgttgaag gtcattgcag agaggaagga agccgaggag gggagcctgc
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cacctgagga gttggtcagg tagaaggggc ggatgaccgt gcggaagccg ttgaantgcc
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ctgccgggca ggggaaggag gaggtgctct tcgagctgtt ggtgtccagg gcactgggaa
                                                                        360
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tegeageett ceageeeteg aaateggtga egtetgeeac gaagageeet tegeagagea
teagggettt gttttegtag geaatggtge gatetgagee geeagaettg gtgaggeeca
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ggacagggag
<210> 962
<211> 159
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(159)
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gcgatggcgg cgcgcggcn gnggacagan agaagccggt gtaagctcgc gggttgctcc
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<210> 963
<211> 217
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
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<223> n = A, T, C or G
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                                                                         60
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ggggccgctg cgggctccnn gagagggtcg aaggtgaaga tctcaggacc ggagccccgc
cggggtcccg ggatggtgga gggggccggg gtcggggcct gcaggatggt catggtcggg
                                                                        180
                                                                        217
tggcagctgc gagagtgaca catggtgagc cgagcgt
<210> 964
<211> 540
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A, T, C or G
<400> 964
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                                                                         60
cccgtgctct gcgtgacgca gtccatccac agccccttgt acatggcctg ggccgtgatg
                                                                        120
                                                                        180
atgttgtcac ccgcatagga gctcatctgc cactgcggga tggcggtgca ggccaccaga
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cccacccage ccagcaggge catggagaag cccagcaact gcaggeeega attggeeatt
                                                                        300
teegeeetea gaaaacaetg ggggegeegg gegggagaee etacagtaaa acaaacgaea
cttggggggc agcccacaa aagaaaactt gaggtggagt tttccggtca cccaaagaga
                                                                        360
caaaaagggt ttgggccagg tgaatgcaaa tcttgtcacc aaactacaca caaatcgacc
                                                                        420
cctccagtga agcgatggcc tcgcggcaca gggagtagga tacgccggga gggtggttcc
                                                                        480
aganaaaatt ggtggtcccc gaaggccagg cggttccctc cgggcgctct cggcgaccct
                                                                        540
<210> 965
<211> 321
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A, T, C or G
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                                                                        120
                                                                        180
cgcgcgcacg gggcgccata ggcttcgggg tccaagcgcg tgtcgttttg ggggagcagc
geogectetg eggeecagag ttgegecate ageageggea geagettege cagageeegg
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gcgccagagg cggcggagag gtggaggtgc ggagctctca tggccaggat ctgggagtng
                                                                        300
ccgatangaa ggagggaggg g
                                                                        321
```

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<210> 966
<211> 642
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(642)
<223> n = A, T, C or G
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                                                                         60
cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa
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gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt
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ctgcaacatg gagactggtg agacctgcgt gtaccccact cagcccagtg tggcccanaa
                                                                        240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat
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ccagctgacc ttcctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg
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caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct
                                                                        480
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                                                                        540
cactgtcgat ggctgcacga gtcacaccgg agcctggggc aagacagtga ttgaatacaa
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aaccaccaag acctcccgcc tgcccatcat cgatgtggcc cc
                                                                        642
<210> 967
<211> 650
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A, T, C or G
<400> 967
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                                                                       120
gagtgqagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt
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ctgcaacatg gagactggtg agacctgcgt gtaccccact cagcccagtg tggcccagaa
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gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat
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gaccgatgga ttccagttcg agtatggcgg ccagggctcc gaccctgccg atgtggccat
                                                                       360
ccagctgacc ttcctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg
                                                                       420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct
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ccagggctcc aacqaqatcg agatccgcgc cqaqggcaac aqccqcttca cctacaqcqt
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cactgtcgat ggctgcacga gtcacaccgg nagcctgggg caagacagtg attgaataca
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aaaccaccaa gaccttccgc ctgcccatca tcgatgtggc ccccttggac
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<210> 968
<211> 629
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
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<222> (1)...(629)
<223> n = A, T, C or G
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                                                                         60
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                                                                        120
gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt
                                                                        180
ctgcaacatg gagactggtg agacctgcgt gtaccccact cagcccagtg tggcccagaa
                                                                        240
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gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat
gaccgatgga ttccagttcg agtatggcgg ccagggctcc gaccctgccg atgtggccat
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ccagctgacc ttcctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg
                                                                        420
                                                                        480
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct
ccagggctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt
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cactgtcgat ggctgcacga gtcacaccgg nagcctgggg caagacagtg attgaataca
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aaaccaccaa gacctcccgc ctgcccatc
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<211> 222
<212> DNA
<213> Homo sapien
<400> 969
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gcgcttggtt cttggggttc tccaggattc cagcctcgta gctgatgtgc atgaggttct
                                                                        120
catecatget ccaegggtte ttgggagtga ccgggatggg aatccegtgt tgetttgegt
                                                                        180
actccatcag gtcattgcgg cccttgaacc ggttgtagaa tt
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<210> 970
<211> 79
<212> DNA
<213> Homo sapien
<400> 970
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gcaggggccg cctggccttg ctccgctcca cgaggaggcc gccaaccgca gggccgcgac
                                                                         79
acggacggga agcaacgga
<210> 971
<211> 111
<212> DNA
<213> Homo sapien
<400> 971
ggaaaatgca tctaccccac ccaaccagca gcctcacttt aggctgcctt gtcccgggcg
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ccccattcgt cagccccacg cctcctccag gatccgggcc cagctcgaat t
                                                                        111
<210> 972
<211> 609
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A, T, C or G
```

<210> 976

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cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa
                                                                        120
gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt
                                                                        180
ctgcaacatg gagactggtg agacctgcgt gtaccccact cagcccagtg tggcccagaa
                                                                        240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat
                                                                        300
gaccgatgga ttccagttcg agtatggcgg ccagggctcc gaccctgccg atgtggccat
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ccagctgacc ttcctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg
                                                                        420
                                                                        480
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct
                                                                        540
ccagggctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt
                                                                        600
cactgtcgat ggctgcacga gtcacaccgg nagcctgggg caagacagtg attgaataca
                                                                        609
aaaccacca
<210> 973
<211> 311
<212> DNA
<213> Homo sapien
<400> 973
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                                                                         60
acageeteea ecaceteett ettgtteace ttggateeeg geetgtegae tteeegeaeg
                                                                        120
                                                                        180
atgtgagtca tgccagcctt gtatcccagg aaggctgtga ggtggaccgg cttggacggg
                                                                        240
tcatccttag ggaagctctt caccttccca cgatgcctgc tgctgcgctt ccgaggcagg
aagccgaggg acccatgtct gggagcggag aactttctgt gagacatcac gcgtcgacgc
                                                                        300
ggccgcgaat t
                                                                        311
<210> 974
<211> 180
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A, T, C or G
<400> 974
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                                                                        60
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ttgtggccct tgagggtgcc acgaagggtc atctgctcag tcatggcggc ggcnagagcg
                                                                        180
tgtgtcnctg cancgacnag gatggcactg gatggcttag anaaactagc accacgtcga
<210> 975
<211> 187
<212> DNA
<213> Homo sapien
<400> 975
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gcaccagccc cggggactat gtgctcagcg tctcagagaa ctcgcgcgtc tcccactaca
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tcatcaacag cagcggcccg cgcccgccgg tgccaccgtc gcccgcccag cctccgcccg
gggtgagccc ctccagactc cgaataggag atcaagagtt tgattcattg cctgctttac
                                                                        180
tggaatt
                                                                       187
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<211> 59
<212> DNA
<213> Homo sapien
<400> 976
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<210> 977
<211> 66
<212> DNA
<213> Homo sapien
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ggtccagagc tcccaggttt ccaggttgca gtccctccag tcccagagct cccagggttt
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cggttt
                                                                         66
<210> 978
<211> 114
<212> DNA
<213> Homo sapien
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agaggtggac accttgtagg acttctgggt cacccgtcga cgcggccgcg aatt
                                                                        114
<210> 979
<211> 177
<212> DNA
<213> Homo sapien
<400> 979
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                                                                        120
ctcagtgagt ataaatacgc caagaagagc tgtggcttct ttcactggtg tcctcagaaa
ggctgtgagc agtgttggtg gcatacctgt cacagcatct agcaaagcac ctgaatt
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<210> 980
<211> 188
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A, T, C or G
<400> 980
                                                                         60
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agaggtggac accttgtagg acttctgggt caccctgatg gacatggtag aggctggagt
                                                                        180
ggaggcaggc gggccgaacc aggcggagat cctagaagga gcggagaagg tcgacgcggc
cgcgaatt
                                                                        188
<210> 981
<211> 184
<212> DNA
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```
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A, T, C or G
<400> 981
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ccccggcggc tttgcactga tgggctgcgg ntgggcacag gccatagtga ggggggcatg
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agageceeag acegggegge tttgeactga tgagetgeag ggeaggtega egeggeegeg
                                                                         180
                                                                         184
<210> 982
<211> 98
<212> DNA
<213> Homo sapien
<400> 982
tecactagte cagtgtggtg gaattegegg eegegtegae egaaceetga accetaeggt
                                                                          60
cccgacccgc gggcgaggcc gggtacctgg gctgggat
                                                                          98
<210> 983
<211> 425
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(425)
<223> n = A, T, C or G
<400> 983
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eggeetggee cagggeggga gtgeeggetg gggegegetg etetteaege tetetgatgg
                                                                         120
cgtgctggcc tgggacacct tcgcccagcc cctgccccat gcccncctgg tgatcatgac
                                                                         180
cacctactat getgeceage tecteateae actgteagee eteaggagee eggtgeceaa
                                                                        240
gactgactga ctagggaget tgaagggeeg gtgtteagge ceteteetee tgeaaggaee
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tgggcctccc agcccagccc agcctgagaa ataccctcag cagcgaagct tcctgacgcc
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tgtctgcagg cgccgctgcc gccgtcgctt ctggctgaag acgtttgagg acgatttgcg
                                                                        420
gaatt
                                                                         425
<210> 984
<211> 148
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(148)
<223> n = A, T, C \text{ or } G
<400> 984
tectnageca gggagacagg gaccaggeag cacaggeetg ccagcaggag gatgeeccac
                                                                          60
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gagacagaag acggcattgt cgattcactg teecaggtea gtggtgggte gaegeggeeg
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cgaattccac cacactggac tagtggat
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<210> 985
<211> 461
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A, T, C or G
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cageegeaag aacceegeee geacetgeeg tgaceteaag atgtgeeact etgactggaa
                                                                        120
gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt
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ctgcaacatg gagactggtg agacctgcgt gtaccccact cagcccagtg tggcccanaa
                                                                        240
gaactggtac atcancaaga accccaagga caagaggcat gtctggttcg gcgagagcat
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gaccgatgga ttccagttcg agtatggcgg ccagggctcc gaccctgccg atgtggccat
                                                                        360
ccagctgacc ttcctgcgcc tgatgtccac cgaggcctcc canaacatca cctaccactg
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caagaacagc gtggcctaca tggaccanca nactggcaac c
                                                                        461
<210> 986
<211> 138
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A, T, C or G
<400> 986
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ctgatggaca tggtagaggc aggagtggag gcaggcgggc cgaaccaggc ggagatccta
                                                                        120
gaaggagcgg aggtcgnc
                                                                        138
<210> 987
<211> 555
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(555)
<223> n = A, T, C or G
<400> 987
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gcaaggtgag ggaaaaatct caacagaagc aagtttgggg aaaatctgga gtccccagta
                                                                        120
aaaagcagga aggtctctgc tgtactcatc acagaatggg agagagggct ctcaatagat
                                                                        180
                                                                        240
cattcccttt gtttctcccc tgggcttctt gagcttctcg aagttcttca ggatgatgtc
atataacaca gcataagcat tgcggatctc catgaccatc agccggatgt cccggtactc
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tttagtcact tancttggtg	gcatcaccac tggaggctgg tcctcaatcc	ccagctgccg gctcagagaa tcatcagctc gaggtatctg	atacttagag aaacaccttc	atttgagtgt tcctggacag	ggaagccttc ccactccaaa	360 420 480 540 555
<210> 988 <211> 318 <212> DNA <213> Homo	sapien					
gagtcggtcg	cggcgaccgc ggacaaaatg gcaagcctgc ggaaactccc	ggctccgcag gcctcccctc tctgccgtcg	cctctcccag ccccctcagg aggaggcgca	ccgctccgcc gcttctcggc gcgggcgtga	cggttccggg cgggacgctc ggacagtctc	60 120 180 240 300 318
<210> 989 <211> 177 <212> DNA <213> Homo	sapien					
<400> 989 gacattttat ctcagtgagt ggctgtgagc	ataaatacgc	caagaagagc	tgtggcttct	ttcactggtg	tcctcagaaa	60 120 177
<210> 990 <211> 144 <212> DNA <213> Homo	sapien					
<220> <221> misc_ <222> (1) <223> n = A	.(144)					
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300
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat
gaccgatgga ttccagttcg agtatggcgg ccagggctcc gaccctgccg atgtggccat
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ccagctgacc ttcctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg
                                                                        420
caagaacage gtggcetaca tggaccagea gaetggeaae etcaagaagg eeetgeteet
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                                                                        540
ccagggctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt
cactgtcgat ggctgcacga gtcacaccgg agcctggggc aagacagtga ttgaatacaa
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aaccaccaag accteeegee tgeecateat egatgtggee eeettggaeg ttggtgeee
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<210> 992
<211> 226
<212> DNA
<213> Homo sapien
<400> 992
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gtttatctcc aacagcctta tttatccact gcttcttatc atttaaggtg tatactccat
                                                                        120
etecttetgt gegeagtttg tagtagttet tacaetggta gegaacegag tgetecaeat
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agccatgtgc aatctcgggg ggcttcgggc agccgtcatc tgcgat
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<210> 993
<211> 160
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A, T, C or G
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                                                                        120
tgggtcaccc tgatggacat ggtanangct ggagtggagg caggcgggcc gaaccaggcg
                                                                        160
gagatectag aaggagegga ggtegaegeg geegegaatt
<210> 994
<211> 622
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A, T, C or G
<400> 994
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ecgcacctgc egtgacctca agatgtgeca etetgactgg aagagtggag agtactggat
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tgaccccaac caaggetgea acctggatge cateaaagte ttetgeaaca tggagaetgg
tgagacctgc gtgtacccca ctcagcccag tgtggcccag aagaactggt acatcagcaa
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gaaccccaag gacaagaggc atgtctggtt cggcgagagc atgaccgatg gattccagtt
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cgagtatggc ggccagggct ccgaccctgc cgatgtggcc atccagctga ccttcctgcg
                                                                        360
cctgatgtcc accgaggcct cccagaacat cacctaccac tgcaagaaca gcgtggccta
                                                                        420
catggaccag cagactggca acctcaagaa ggccctgctc ctccagggct ccaacgagat
                                                                        480
                                                                        540
egagateege geegagggea acageegett cacetacage gteaetgteg atggetgeae
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gagtcacacc ggagcctggg gcaagacagt gattgaatac aaaaccacca agacctcccg
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cctgcccatc atcgatgtgg cc
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<212> DNA
<213> Homo sapien
<400> 995
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ataatgaggt gtatatgctt tacatgcaat gttatatagt gaattgttct gattcttaat
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tgtaagtctg gtttttttat ctgtaagata attgtgtg
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<210> 996
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<212> DNA
<213> Homo sapien
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tcccgtagcc agaaggagtt gcccacagag cccccctaca cagcatacgt aggaaatcta
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                                                                        240
cetttcaata eggttcaggg egacatagat getatettta aggateteag eataaggagt
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<213> Homo sapien
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agaatcctct ccaattttac tgaggtggct gaccacgtcc acgaccaaat ccgcctctaa
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actgg
                                                                        125
<210> 998
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gaggtggaca ccttgtagga cttctgggtc accctgatgg acatggtaga ggctggagtg
gaggcaggcg ggccgaacca ggcggagatc ct
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<210> 999
<211> 119
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(119)
<223> n = A, T, C or G
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<210> 1003

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	cagctnngag					119
<210> 1000						
<211> 209						
<212> DNA						
<213> Homo	sapien					
.000						
<220>						
<221> misc_						
<222> (1)						
<223> n = 1	A,T,C or G					
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	tggcccttga					120
	gtcgctgcag					180
	ctgcgtcgac		ggcaceggae	ggoccagaga	adecageace	209
404400000	ocgogcogao	909900909				203
<210> 1001						
<211> 390						
<212> DNA						
<213> Homo	sapien			•		
<400> 1001			•			
	ccctcaagag					60
	accccgcccg					120
	actggattga					180
	agactggtga					240
	tcagcaagaa					300
	tccagttcga		cagggctccg	accetgeega	tgtggccatc	360
cagctgacct	tcctgcgcct	gatgtccacc		•		390
<210> 1002						
<211> 613						
<212> DNA						
<213> Homo	sapien					
	•					
<400> 1002						
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	accccgcccg					120
	actggattga					180
	agactggtga					240
	tcagcaagaa					300
	tccagttcga					360
	tcctgcgcct					420
	tggcctacat					480
	acgagatcga					540
	gctgcacgag	tcacaccgga	gcctggggca	agacagtgat	tgaatacaaa	600
accaccaaga	CCT					613

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<210> 1004 <211> 85 <212> DNA <213> Homo	sapien					
	tcgtggctca tccggccact	agcccggcca gcggg	cgccgcccca	agggctcctc	ccgacctccc	60 85
<210> 1005 <211> 636 <212> DNA <213> Homo	sapien			·		
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<210> 1006 <211> 629 <212> DNA <213> Homo	sapien					
<220> <221> misc <222> (1) <223> n = F	. (629)					

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                                                                       120
                                                                       180
agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc
tgcaacatgg agactggtga gacctgcgtg taccccactc agcccagtgt ggcccagaag
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aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg
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accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc
                                                                       360
cagctgacct tectgegeet gatgtecace gaggeeteec agaacateae etaccaetge
                                                                       420
                                                                       480
aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaangc cctgctcctc
                                                                       540
cagggeteca acgagatega gateegegee gagggeaaca geegetteae etacagegte
actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa
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accaccaaga cctcccgcct gcccatcat
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<210> 1007
<211> 575
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A, T, C or G
<400> 1007
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agcogcaaga accocgocog cacotgoogt gacotcaaga tgtgocacto tgactggaag
                                                                       120
agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc
                                                                       180
tgcaacatgg agactggtga gacctgcgtg taccccactc agcccagtgt ggcccagaag
                                                                       240
                                                                       300
aactggtnca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg
accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc
                                                                       360
cagctgacct tnctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc
                                                                       420
aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc
                                                                       480
                                                                       540
cagggeteca acgagatega gateegeee gagggeaaca geegetteae etacagegte
actgtcgatg gctgcacgag tcacaccgga gcctg
                                                                       575
<210> 1008
<211> 62
<212> DNA
<213> Homo sapien
<400> 1008
cgatggagcg tgggtaggga gggtccacag tgtccactcg ccgtgtgcga aggttgactc
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                                                                         62
gg
<210> 1009
<211> 180
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A, T, C or G
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<400> 1009 gagctgatgc gggaaccggg ccc gaggtggaca ccttgtagga ctt gaggcaggcg ggccgaacca ggc <210> 1010 <211> 169	ctgggtc accctgatgg	acatggtaga g	ggcaggagtg 1	60 120 180
<212> DNA <213> Homo sapien			·	
<pre>&lt;400&gt; 1010 gaggcggcac aggtcacgca tgg tctcgccagg taggtctggg cca ctcccggatg agaggcaggg cag</pre>	aggttctt gagtttgaag	ctgctggccc c	cgggcacacg 1	60 120 169
<210> 1011 <211> 170 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(170) <223> n = A,T,C or G				
<400> 1011 gagctgatgc gggaaccggg ccc gaggtggaca ccttgtanna ctt gaggcaggcg ggccgaacca ggc	ctgggtc accctgatgg	acatggtaga g	ggctggagtg 1	60 120 170
<210> 1012 <211> 344 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(344) <223> n = A,T,C or G				
<pre>&lt;400&gt; 1012 gtggacacca ccctcaagag cct agccgcaaga acccegccg cac agtggagagt actggattga ccc tgcaacatgg agactggtga gac ctggnncatc ngcangaacc ccn cnatggattc canttnnagt atg</pre>	ectgeegt gaceteaaga ecaaceaa ggetgeaace ectgegtg taceceacte anggacan gaggentgte	tgtgccactc t tggatgccat c agcccagtgg m tggttcggcg a	cgactggaag 1 caaagtcttc 1 nccanaanaa 2 agagcatgac 3	60 120 180 240 300
<210> 1013 <211> 157 <212> DNA <213> Homo sapien				
<220>				

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<221> misc_feature
<222> (1)...(157)
<223> n = A, T, C or G
<400> 1013
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agagtactgg attgacccca accaaggctg caacctggat gccatcaaag tcttctgcaa
                                                                        120
catgganact ggtganncct gcgtgtaccc cactcag
                                                                        157
<210> 1014
<211> 621
<212> DNA
<213> Homo sapien
<400> 1014
                                                                         60
gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc
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ageogeaaga accoegooog cacetgoogt gaceteaaga tgtgccacte tgactggaag
agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc
                                                                        180
                                                                        240
tgcaacatgg agactggtga gacctgcgtg taccccactc agcccagtgt ggcccagaag
                                                                        300
aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg
                                                                        360
accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc
                                                                        420
cagctgacct tcctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc
                                                                        480
aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc
                                                                        540
cagggctcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc
actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa
                                                                        600
                                                                        621
accaccaaga cctcccgcct g
<210> 1015
<211> 104
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(104)
<223> n = A, T, C or G
<400> 1015
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                                                                         60
                                                                        104
agccgcaaga accccgcccg cacctgccgt nctcnagatg tgcc
<210> 1016
<211> 101
<212> DNA
<213> Homo sapien
<400> 1016
                                                                         60
gctgaccagg cggaaagagg agctgcccat gaaggggggc accctgggcg ggatccctgg
                                                                        101
ggagcccgcc gtggaccacc gagatgtgga tgagctgctg g
<210> 1017
<211> 172
<212> DNA
<213> Homo sapien
```

<210> 1021

<400> 1017 acattttatg actcagtgagta tagctgtgagca gt	aatacgcc	aagaagagct	gtggcttctt	tcactggtgt	cctcagaaag	60 120 172
<211> 637 <212> DNA <213> Homo sa	npien					
<pre>&lt;400&gt; 1018 gtggacacca cc agccgcaaga ac agtggagagt ac tgcaacatgg ag aactggtaca tc accgatggat tc cagctgacct tc aagaacagcg tg cagggctcca ac actgtcgatg gc accaccaaga cc</pre>	cccgccg ctggattga gactggtga cagcaagaa ccagttcga cctgcgcct ggcctacat cgagatcga ctgcacgag	cacctgccgt ccccaaccaa gacctgcgtg ccccaaggac gtatggcggc gatgtccacc ggaccagcag gatccgcgcc tcacaccgga	gacctcaaga ggctgcaacc taccccactc aagaggcatg cagggctccg gaggcctccc actggcaacc gagggcaaca gcctggggca	tgtgccactc tggatgccat agcccagtgt tctggttcgg accctgccga agaacatcac tcaagaaggc gccgcttcac	tgactggaag caaagtcttc ggcccagaag cgagagcatg tgtggccatc ctaccactgc cctgctcctc ctacagcgtc	60 120 180 240 300 360 420 480 540 600 637
<210> 1019 <211> 623 <212> DNA <213> Homo sa	npien					·
<pre>&lt;400&gt; 1019 gtggacacca cc agccgcaaga ac agtggagagt ac tgcaacatgg ag aactggtaca tc accgatggat tc cagctgacct tc aagaacagcg tg cagggctcca ac actgtcgatg gc accaccaaga cc</pre>	eccegecege etggattga gactggtga eageaagaa ecagttega ectgegect gectacat egagatega etgeaegag	cacctgccgt ccccaaccaa gacctgcgtg ccccaaggac gtatggcggc gatgtccacc ggaccagcag gatccgcgcc tcacaccgga	gacctcaaga ggctgcaacc taccccactc aagaggcatg cagggctccg gaggcctccc actggcaacc gagggcaaca	tgtgccactc tggatgccat agcccagtgt tctggttcgg accctgccga agaacatcac tcaagaaggc gccgcttcac	tgactggaag caaagtcttc ggcccagaag cgagagcatg tgtggccatc ctaccactgc cctgctcctc ctacagcgtc	60 120 180 240 300 360 420 480 540 600 623
<210> 1020 <211> 233 <212> DNA <213> Homo sa	pien					
<400> 1020 ggtagagaac cc gggccgctgc gg ggggtcccgg ga ggcagctgcg ag	gctccggg tggtggag	agagggtcga ggggccgggg	aggtgaagat tcggggcctg	ctcaggaccg caggatggtc	gageceegee atggtegggt	60 120 180 233

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<211> 180
<212> DNA
<213> Homo sapien
<400> 1021
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gaggtggaca ccttgtagga cttctgggtc accctgatgg acatggtaga ggcaggagtg
                                                                        120
gaggcaggcg ggccgaacca ggcggagatc ctagaaggag cggaggtcga cgcggccgcg
                                                                        180
<210> 1022
<211> 636
<212> DNA
<213> Homo sapien
<400> 1022
                                                                         60
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agccgcaaga accccgcccg cacctgccgt gacctcaaga tgtgccactc tgactggaag
                                                                        120
agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc
                                                                        180
tgcaacatgg agactggtga gacctgcgtg taccccactc agcccagtgt ggcccagaag
                                                                        240
                                                                        300
aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg
accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc
                                                                        360
cagctgacct tcctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc
                                                                        420
aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc
                                                                        480
                                                                        540
cagggeteca acgagatega gateegegee gagggeaaca geegetteae etacagegte
                                                                        600
actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa
accaccaaga cctcccgcct gcccatcatc gatgtg
                                                                        636
<210> 1023
<211> 162
<212> DNA
<213> Homo sapien
<400> 1023
aggcggagag gatcatgtcc gggaactgcg gggtagtagc gatctgggtt acccagccgt
                                                                         60
                                                                        120
tgtggccctt gagggtgcca cgaagggtca tctgctcagt catggcggcg gcgagagcgt
gtgtcgctgc agcgacgagg atggcacgtc gacgcggccg cg
                                                                        162
<210> 1024
<211> 124
<212> DNA
<213> Homo sapien
<400> 1024
tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac gccgagcagg aggcgccatc
                                                                         60
atgggagtgg acateegeea taacaaggae egaaaggtte ggegeaagga geeeaagage
                                                                        120
cagg
                                                                        124
<210> 1025
<211> 635
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
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<222> (1)...(635)
<223> n = A, T, C or G
<400> 1025
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aagctgattg aagcaaccct ctactttttg gtcgtgagcc ttttgcttgg tgcaggtttc
                                                                        120
attggctgtg ttggtgacgt tgtcattgca acagaatggg ggaaaggcac tgttctcttt
                                                                        180
gaagtagggt gagtcctcaa aatccgtata gttggtgaag ccacagcact tgagcccttt
                                                                        240
catggtggtg ttccacactt gagtgaagtc ttcctgggaa ccataatctt tcttgatqqc
                                                                        300
aggcactacc agcaacgtca ggaagtgctc agccattgtg gtgtacacca aggcgaccac
                                                                        360
agcagctgca acctcagcaa tgaagatgag gaggaggatg aagaagaacg tcacgagggc
                                                                        420
acacttgctc tcagtcttag caccatagca gcccaggaaa ccaagagcaa agaccacaac
                                                                        480
gccggctgcg atgaggaagt agcccacgtt gacaaactgc atggcactgg acgacagtgg
                                                                        540
ecegaagate tteagaaagg atgeeceate gattgacace cagatgeeca etgeeaacag
                                                                        600
ggctgcacca cacagaanga tgagcaaatt gaaga
                                                                        635
<210> 1026
<211> 355
<212> DNA
<213> Homo sapien
<400> 1026
ccatctgctg ttttttctca gcaccttccg tcttttgttc aatacttgag acgacctcc
                                                                         60
aagatgacct acgggctcct acaacatttt tataagcaac tgagagaaga ttcctctct
                                                                        120
cattggataa ttcagctcct tgctcagtta cagacttcat gcaggctgcc atgtcatcat
                                                                        180
ategeteage etgeteggee agtttggeet tetgaaceag eteattttta tecatgaetg
                                                                        240
gatgttctgt gtccggagtg ggtggtggcg gcggacggac gggctcagca gtctctgggc
                                                                        300
ggcggcggcg gcagcagcgg cgaggctgag actctgtccc gtcgacgcgg ccqcq
                                                                        355
<210> 1027
<211> 148
<212> DNA
<213> Homo sapien
<400> 1027
tgccaccctg gtgcccatga ctgtggcctt ggtgcccagg aggggccaga gctggtgggt
                                                                        60
gctggctgtt cttctccctc tggccctgag cccctggctc tggagctgcc tgtaggggct
                                                                        120
gaagggccat cccactgcca ttctccgg
                                                                        148
<210> 1028
<211> 479
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A, T, C or G
<400> 1028
ggcgtcctgg tgcttaccac ctggaaactg gtgaggtggt gggagaactc ctggtggacc
                                                                        60
ctagtggaag ccttccagta atttcttgaa gctgagcgct caggtgagta gggcgacatc
                                                                       120
tggtggccgg ttgttgaagg tcattgcaga gaggaaggaa gccgaggagg ggaqcctqca
                                                                       180
gtgagggcgt cetggggttc teeggttete accaecettg ggccaegeeg tetagtecae
                                                                       240
```

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acctgaggag ttggtcaggt agaaggggcg gatgaccgtg cggaagccgt tgaagtgccc
                                                                        300
tgccgggcag gggaaggagg aggtgctctt cgagctgttg gtgtccaggg cactgggaat
                                                                        360
cgcagccttc cagccctcga aatcggtgac gtctgccacg aagagccctt cgcagagcat
                                                                        420
cagggetttg ttttegtang caatggtgeg atetgageeg ecagaettgg tgaggeeca
                                                                        479
<210> 1029
<211> 64
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(64)
\langle 223 \rangle n = A, T, C or G
<400> 1029
gegtnnatgt agttettgag caceteggga atgggeeeet eggteaegge tggeaeegee
                                                                         60
                                                                         64
tggg
<210> 1030
<211> 531
<212> DNA
<213> Homo sapien
<400> 1030
                                                                         60
cctgtcagag tggcactggt agaagttcca ggaaccctga actgtaaggg ttcttcatca
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gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag
atggttgtct gagagagagc ttcttgtcct acattcggcg ggtatggtct tggcctatgc
                                                                        180
                                                                        240
cttatggggg tggccgttgt gggcggtgtg gtccgcctaa aaccatgttc ctcaaagatc
atttgttgcc caacactggg ttgctgacca gaagtgccag gaagctgaat accatttcca
                                                                        300
                                                                        360
gtgtcatacc cagggtgggt gacgaaaggg gtcttttgaa ctgtggaagg aacatccaag
atctctggtc catgaagatt ggggtgtgga agggttacca gttggggaag ctcgtctgtc
                                                                        420
                                                                        480
tttttccttc caatcagggg ctcgctcttc tgattattct tcagggcaat gacataaatt
                                                                        531
gtatattcgg ttcccggttc caggccagta atagtagcct ctgtgacacc a
<210> 1031
<211> 518
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A, T, C or G
<400> 1031
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tcatccctgt gttagaccgg atccgatatg tgcagagtct caaggaaatt gtcatcaacg
                                                                        120
                                                                        180
tgcctgagca gtcggctgtg actctcgaca atgtaactct gcaaatcgat ggagtccttt
                                                                        240
acctgcgcat catggaccct tacaaggcaa gctacggtgt ggaggaccct gagtatgccg
                                                                        300
tcacccagct agctcaaaca accatgagat cagagctcgg caaactctct ctggacaaag
tcttccggga acgggagtcc ctgaatgcca gcattgtgga tgccatcaac caagctgctg
                                                                        360
                                                                        420
actgctgggg tatccgctgc ctccgttatg agatcaagga tatccatgtg ccaccccggg
tgaaagagtc tatgcagatg cangtggagg cagagcggcg gaaacgggcc acagttctag
                                                                        480
```

agtetgaggg gaccegagag	tcggccatca	atgtggca			518
<210> 1032 <211> 116 <212> DNA <213> Homo sapien					
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<210> 1033 <211> 241 <212> DNA <213> Homo sapien					
<400> 1033					
caagggtcat gatggcagga gttaaaggag ccacttatta tgagattgtt tgggctactg tcaccctgat cagaggattg g	gtaatgttga ctcgcagtgc	tagtagaatg gccgatcagg	atggctaggg gcgtagtttg	tgacttcata agtttgatgc	60 120 180 240 241
<210> 1034 <211> 234 <212> DNA <213> Homo sapien					
<400> 1034 ccacagctgg gcgcttcacc ttgtgtgcct gctggagtac ggggacagaa gcacatgacc atgttcgggc cgtcctgcat	ccccggggga gccgtggtga	agaggaagaa agctgttcgg	gggctccacc gccctttacc	atggagcgct aggaattact	60 120 180 234
<210> 1035 <211> 434 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(434) <223> n = A,T,C or G					
<400> 1035 gtacaagctt tttttttt tttccttaca caatgacgtg aaatttgttg tcatntnttc ttaanaatga atacatttac agcccacggn gttntggcca gacttncaa ccctgacaga aaatcccana acactnagcc cacacanact cacc	ttgctggggc aaagaatcga aggcgtaaat aagacatnag cccgcaagac	ctaatgttct naattgcgta gcaaaccgnt ntaanaaagg aaaacaactg	cacataacag caaaaaaac tccaactnaa aaactgggtc gttnttgcca	tanaaaacca cttacataaa agcaagtaac ctacggcttg gcctntanag	60 120 180 240 300 360 420 434

<213> Homo sapien

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<210> 1036
<211> 294
<212> DNA
<213> Homo sapien
<400> 1036
aaagccatgg gaacccagat caccagatcc ggagcctgac tctagcccct gagccacctg
                                                                        60
ttgccctaac accetgtctg actetetece getgeageag ceagtecete etgeacteea
                                                                       120
gcaactccag ccatcagtca tcttccagat ccttggaaag tccagccaac tcttcctcca
                                                                       180
gcctccacag ccttggctca gtgtccctgt gtacaagacc cagtgacttc caggctccca
                                                                       240
gaaaccccac cctaaccatg ggccaaccca gaacacccca ctctccacca ctgg
                                                                       294
<210> 1037
<211> 547
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(547)
<223> n = A, T, C or G
<400> 1037
aaagatatga acagcttaat tttccgtgtg attatctaat taaaaaagaa aaacnnaaca
                                                                        60
agennaatgt teaagttaaa aaaaaaacat accgggtgag caatgcacta aaattateca
                                                                       120
catgaaaaca aatggtctgt aatcttataa accaacatag catttcactg tcaacaatgt
                                                                       180
gaaaatttaa tatcttctca aacaqqcata aqatqaaqaa qtqctatttt ttaattqtaa
                                                                       240
aaggaactta tgtaatgnta aaattacatt ataatttttc attccqaatt qacaaatgat
                                                                       300
ttcaaaaaca aggnatcaaa gtttgactgc aaatagtaat gcaatataat ttcataaaaa
                                                                       360
tccttcaatt tctattttt tccttttctq tagttqacat atgaaqacca cttcaatttc
                                                                       420
taaaaaaggg aaccattcca attttccctc cccaaqaaaa tgtctcacaa ttacaaagta
                                                                       480
gaaaaacaqc cqttcataaa atqcaaaaaa aanttctqat tttatacatq aaataatttc
                                                                       540
tagatca
                                                                       547
<210> 1038
<211> 451
<212> DNA
<213> Homo sapien
<400> 1038
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                                                                        60
tgatgttgtg aatggagaat atgtccctcg caaatccatc ctgaagtctc gaagtagaga
                                                                       120
gaatagtgtg tgtagcgaca ctagtgaaag cagtgctgct gaatttgatg ataggcgggg
                                                                       180
agttttgagg agtatcagct gcgaagaagc cacttgcagt gacaccagtg agagcatttt
                                                                       240
ggaagaggaa ccacaagaaa atcaaaagaa acttttgccc ttatcagtaa cacctgaggc
                                                                       300
tttttctgga actgttatag aaaaagaatt tgtatcacct tccttaacac caccccagc
                                                                       360
cattgctcat cccgcactac ccactattcc agaacgaaag gaagttctgt tggaagcatc
                                                                       420
tgaagaaact ggaaagaggg tttcaaagtt t
                                                                       451
<210> 1039
<211> 533
<212> DNA
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<400> 1039
ccaagcccgt qcaccqtttt ttqtaaqqta tctctttaag cqcctqqqac cccaagcqaq
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agtccqaaat tagcaqaqcq ctaaaaqqag gggcccqaag qcaqtqqqqc tttqaqctaq
                                                                       120
aagcctcttt ttacctgctt gacaggtaat ttctgtaatt ggttgtgatt gaatttgata
                                                                       180
gggtagagaa ttaaatgagg gaagctgtgt atacttccta gtaagagcta ttatatgact
                                                                       240
gattacatta acatcatatg gaaaaaaatt gtcaaaagta ctccgggaaa gcccttaaat
                                                                       300
agttggtaaa gtacagaaca catgattgtc aatatatgta aatacaggat gagctaggac
                                                                        360
agaggggccc ttctttcaca ccacttaaat tagttcccac tttaaccttg tttgagattg
                                                                       420
acttctggag agttaaatgc agatagactt aactctccta agtcaggtga gactgagagc
                                                                       480
tgactgctac aataattacg gagcccaaat gcagtaaaac agcctgtttt tca
                                                                       533
<210> 1040
<211> 317
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A, T, C or G
<400> 1040
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ggccttcctt ttgaggagct ggaggggtgg ggagctagag gccacctatg ccagtgctca
                                                                       120
aggttactgg gagtgtgggc tgcccttgnt gcctgcaccc ttccctcttc cctctccctc
                                                                       180
tctctgggac cactgggtac aagagatggg atgctccgac agcgtctnca attatgaaac
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                                                                       300
taatettaac ceetgtgetg teagatacee tgtttetgga gteacateag tgaggaggga
tgtgggtaag aggagca
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<210> 1041
<211> 407
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(407)
<223> n = A, T, C or G
<400> 1041
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catggacatg aactctctta acatgtantt ctttgggtgc attttgtctg aaccacaatt
                                                                       120
gtgaaggcag ctcagcttag tgcacaaatt ttaactgttg tatataaagc aaataagtca
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gcanatgggt gaagaggtcc agaatgatat gcaaaaacta ctttttagag aaacananca
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actttgtagc aacaaattaa atatagtatt agattgttac ttacgtagat tttattttta
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ctatgcctta ccaagtacat ccttaaacaa agtagtatgt acatgaaatt gcacttaacc
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aaaactattg tgtaaaacaa atttttaatt cctcagggtt ttaattt
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<210> 1042
<211> 519
<212> DNA
<213> Homo sapien
<220>
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<221> misc feature
<222> (1)...(519)
<223> n = A,T,C or G
<400> 1042
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                                                                       120
ctggtgtcac agaggctact attactggcc tggaaccggg aaccgaatat acaatttatg
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tcattgccct gaagaataat cagaagagcg agcccctgat tggaaggaaa aagacagacg
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agetteecca aetggtaace ettecacace ecaatettea tggaccagag atettggatg
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ttccttccac agttcaaaag acceptttcg tcacccacce tgggtatgac actggaaatg
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gtattcagct tcctggcact tctggtcagc aacccagtgt tgggcaacaa atgatctttg
                                                                       420
aggaacatgg ttttaggcgg accacaccgg cccacaacgg ncacccccat aaaggcatag
                                                                       480
gccaaagacc atacccgccg aatgtaggac aagaaagct
                                                                       519
<210> 1043
<211> 294
<212> DNA
<213> Homo sapien
<400> 1043
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ttgccagctc atatatataa tcacagagag tgtggagaaa taagtcatct aaaatctttt
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gcagaatctc agggaaccgt aaaatgcacc ggcctagttt ccattccttc tcatgatcca
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aaagaatett ggtttetega geagettttt ggageattte tteateaata ttgg
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<210> 1044
<211> 384
<212> DNA
<213> Homo sapien
<400> 1044
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cctccatcca gttgttgaag ggtgcagccc gcttggcata ctccaagtac agctggtcaa
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tggtctccag cagtttctcg gtccgctcca gagcttccct tcgcttctga gttagggccc
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gggcagccag gtcactctcg aagg
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<210> 1045
<211> 456
<212> DNA
<213> Homo sapien
<220>
<221> misc feature
<222> (1)...(456)
<223> n = A, T, C or G
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                                                                       120
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aaaatccaag tgtcctcctc caccactcac gctggtgatc actgtgctct ctgccagctg
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tcagacttta caggcatttt ccgtaattca atcagt
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<210> 1046
<211> 136
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(136)
<223> n = A,T,C or G
<400> 1046
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tcttacatct ctccat
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<210> 1047
<211> 453
<212> DNA
<213> Homo sapien
<400> 1047
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tctccgcatt tatattaaaa attcacacac aaatgaaaat ggaaaaactg ccaatacctg
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ggttggtgtc ttcaaaaagg ccaaccagat agg
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<210> 1048
<211> 219
<212> DNA
<213> Homo sapien
<220>
<221> misc_feature
<222> (1)...(219)
<223> n = A, T, C or G
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gaaagatoot catgaattaa atagttgatg caatttttaa ogttaattga tataaaaaaa
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aacaacaaaa ttaggcttgt aaaactgact ttttcatta
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<211> 2465
<212> DNA
<213> Homo sapiens
<400> 1049
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gtggtaaatt agacaacact aacgaataca atagtaatga tggtaagaaa ttaccccagg 180
gtgaatcacg aagttacgaa gtcatgggaa gtatggaaga aaccttatgc aatatagatg 240
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gagaggatga atttgtcaaa gaaatgagag aggaaagaaa atttcagaaa ttgaagaata 360
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tcttcaacat tctgagagaa aatgattttg aacctaaatt tctgtgtgaa gttaaattag 540
catttaaatg tgatggtgaa ataaagacat tttcagatct qcaaagcctt agaaaatttg 600
ccagccaaaa atcttctatg aaagaattac tgaaagatgt actcccacaa aaggaagaaa 660
taaatcaagg aggaagaaaa tatggaattc aagaaaaaag ggataaaacc ctaatagact 720
caaaqcataq aqctqqaqaa ataaccaqtq atqqcttqaq cttcctattt cttaaaqaaq 780
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<211> 3120
<212> DNA
<213> Homo sapiens
<400> 1050
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<212> DNA
<213> Homo sapiens
<400> 1051
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<212> DNA
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<212> DNA
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acceptectea tgaateattg etcegggtee tgegggacat ttgteatgta etcggeeaag 15360
gcccaggccc tggaccacag ctgctcctgc tgcaaagagg agaaaaccag ccagcgtgag 15420
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teceetagge atetggggag egggtgageg gggtgggeae ageeeette aetgeeeteg 15600
acagetttae eteccegga ecetetgage etectaaget eggetteete tetteagata 15660
tttattgtct gagtctttgt tcagtccttg ctttccaata ataaactcag ggggacatgc 15720
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<210> 1059
<211> 440
<212> PRT
<213> Homo sapiens
<400> 1059
Met Val Gly Lys Ile Glu Gly Glu Asn Ser Lys Ile Gly Asp Asp Asn
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Asp	Asn	Thr 35	Asn	Glu	Tyr	Asn	Ser 40	Asn	Asp	Gly	Lys	Lys 45	Leu	Pro	Gln
Gly	Glu 50	Ser	Arg	Ser	Tyr	Glu 55	Val	Met	Gly	Ser	Met 60	Glu	Glu	Thr	Leu
Cys 65	Asn	Ile	Asp	Asp	Arg 70	Asp	Gly	Asn	Arg	Asn 75	Val	His	Leu	Glu	Phe 80
Thr	Glu	Arg	Glu	Ser 85	Arg	Lys	Asp	Gly	Glu 90	Asp	Glu	Phe	Val	Lys 95	Glu
Met	Arg	Glu	Glu 100	Arg	Lys	Phe	Gln	Lys 105	Leu	Lys	Asn	Lys	Glu 110	Glu	Val
Leu	Lys	Ala 115	Ser	Arg	Glu	Glu	Lys 120	Val	Leu	Met	Asp	Glu 125	Gly	Ala	Val
Leu	Thr 130	Leu	Ala	Ala	Asp	Leu 135	Ser	Ser	Ala	Thr	Leu 140	Asp	Ile	Ser	Lys
Gln 145	Trp	Ser	Asn	Val	Phe 150	Asn	Ile	Leu	Arg	Glu 155	Asn	Asp	Phe	Glu	Pro 160
Lys	Phe	Leu	Суѕ	Glu 165	Val	Lys	Leu	Ala	Phe 170	Lys	Cys	Asp	Gly	Glu 175	Ile
Lys	Thr	Phe	Ser 180	Asp	Leu	Gln	Ser	Leu 185	Arg	Lys	Phe	Ala	Ser 190	Gln	Lys
Ser	Ser	Met 195	Lys	Glu	Leu	Leu	Lys 200	Asp	Val	Leu	Pro	Gln 205	Lys	Glu	Glu
Ile	Asn 210	Gln	Gly	Gly	Arg	Lys 215	_	Gly	Ile	Gln	Glu 220	_	Arg	Asp	Lys
Thr 225	Leu	Ile	Asp	Ser	Lys 230	His	Arg	Ala	Gly	Glu 235	Ile	Thr	Ser	Asp	Gly 240
Leu	Ser	Phe	Leu	Phe 245	Leu	Lys	Glu	Val	Lys 250	Val	Ala	Lys	Pro	Glu 255	Glu
Met	Lys	Asn	Leu 260	Glu	Thr	Gln	Glu	Glu 265	Glu	Phe	Ser	Glu	Leu 270	Glu	Glu
Leu	Asp	Glu 275	Glu	Ala	Ser	Gly	Met 280	Glu	Asp	Asp	Glu	Asp 285	Thr	Ser	Gly
Len	Glu	G111	Glu	Glu	Glu	Glu	Pro	Ser	Glv	Len	Glu	Glu	Glu	Glu	Glu

300 290 295 Glu Glu Ala Ser Gly Leu Glu Glu Asp Glu Ala Ser Gly Leu Glu Glu 310 Glu Glu Glu Gln Thr Ser Glu Gln Asp Ser Thr Phe Gln Gly His Thr 330 Leu Val Asp Ala Lys His Glu Val Glu Ile Thr Ser Asp Gly Met Glu 345 Thr Thr Phe Ile Asp Ser Val Glu Asp Ser Glu Ser Glu Glu Glu Glu Glu Gly Lys Ser Ser Glu Thr Gly Lys Val Lys Thr Thr Ser Leu Thr 375 Glu Lys Lys Ala Ser Arg Arg Gln Lys Glu Ile Pro Phe Ser Tyr Leu Val Gly Asp Ser Gly Lys Lys Leu Val Lys His Gln Val Val His Lys Thr Gln Glu Glu Glu Glu Thr Ala Val Pro Thr Ser Gln Gly Thr 425 Gly Thr Pro Cys Leu Thr Leu Cys 435 <210> 1060 <211> 230 <212> PRT <213> Homo sapiens <400> 1060 Met Asn Glu Met Tyr Leu Arg Cys Asp His Glu Asn Gln Tyr Ala Gln Trp Met Ala Ala Cys Met Leu Ala Ser Lys Gly Lys Thr Met Ala Asp Ser Ser Tyr Gln Pro Glu Val Leu Asn Ile Leu Ser Phe Leu Arg Met Lys Asn Arg Asn Ser Ala Ser Gln Val Ala Ser Ser Leu Glu Asn Met 55

Asp Met Asn Pro Glu Cys Phe Val Ser Pro Arg Cys Ala Lys Arg His

Lys Ser Lys Gln Leu Ala Ala Arg Ile Leu Glu Ala His Gln Asn Val

Ala Gln Met Pro Leu Val Glu Ala Lys Leu Arg Phe Ile Gln Ala Trp 100 105 110

Gln Ser Leu Pro Glu Phe Gly Leu Thr Tyr Tyr Leu Val Arg Phe Lys 115 120 125

Gly Ser Lys Lys Asp Asp Ile Leu Gly Val Ser Tyr Asn Arg Leu Ile 130 135 140

Lys Ile Asp Ala Ala Thr Gly Ile Pro Val Thr Trp Arg Phe Thr 145 150 155 160

Asn Ile Lys Gln Trp Asn Val Asn Trp Glu Thr Arg Gln Val Val Ile 165 170 175

Glu Phe Asp Gln Asn Val Phe Thr Ala Phe Thr Cys Leu Ser Ala Asp 180 185 190

Cys Lys Ile Val His Glu Tyr Ile Gly Gly Tyr Ile Phe Leu Ser Thr 195 200 205

Arg Ser Lys Asp Gln Asn Glu Thr Leu Asp Glu Asp Leu Phe His Lys 210 215 220

Leu Thr Gly Gly Gln Asp 225 230

<210> 1061

<211> 311

<212> PRT

<213> Homo sapiens

<400> 1061

Met Tyr Val Ser Tyr Leu Leu Asp Lys Asp Val Ser Met Tyr Pro Ser
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Ser Val Arg His Ser Gly Gly Leu Asn Leu Ala Pro Gln Asn Phe Val 20 25 30

Ser Pro Pro Gln Tyr Pro Asp Tyr Gly Gly Tyr His Val Ala Ala Ala 35 40 45

Ala Ala Ala Gln Asn Leu Asp Ser Ala Gln Ser Pro Gly Pro Ser Trp
50 55 60

Pro Ala Ala Tyr Gly Ala Pro Leu Arg Glu Asp Trp Asn Gly Tyr Ala 65 70 75 80

Pro Gly Gly Ala Ala Ala Ala Asn Ala Val Ala His Ala Leu Asn Gly 85 90 95

Gly Ser Pro Ala Ala Met Gly Tyr Ser Ser Pro Ala Asp Tyr His
100 105 110

Pro His His Pro His His Pro His His Pro Ala Ala Pro 115 120 125

Ser Cys Ala Ser Gly Leu Leu Gln Thr Leu Asn Pro Gly Pro Pro Gly 130 135 140

Pro Ala Ala Thr Ala Ala Ala Glu Gln Leu Ser Pro Gly Gly Gln Arg 145 150 155 160

Arg Asn Leu Cys Glu Trp Met Arg Lys Pro Ala Gln Gln Ser Leu Gly
165 170 175

Ser Gln Val Lys Thr Arg Thr Lys Asp Lys Tyr Arg Val Val Tyr Thr 180 185 190

Asp His Gln Arg Leu Glu Leu Glu Lys Glu Phe His Tyr Ser Arg Tyr 195 200 205

Ile Thr Ile Arg Arg Lys Ala Glu Leu Ala Ala Thr Leu Gly Leu Ser 210 215 220

Glu Arg Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Ala Lys Glu Arg 225 230 235 240

Lys Ile Asn Lys Lys Leu Gln Gln Gln Gln Gln Gln Gln Pro Pro 245 250 255

Gln Pro Pro Pro Pro Pro Gln Pro Gln Pro Gln Pro Gly Pro 260 265 270

Leu Arg Ser Val Pro Glu Pro Leu Ser Pro Val Ser Ser Leu Gln Ala 275 280 285

Ser Val Ser Gly Ser Val Pro Gly Val Leu Gly Pro Thr Gly Gly Val 290 295 300

Leu Asn Pro Thr Val Thr Gln 305 310

<210> 1062

<211> 237

<212> PRT

<213> Homo sapiens

<400> 1062

Met Ala Gly Val Ser Ala Cys Ile Lys Tyr Ser Met Phe Thr Phe Asn

Phe Leu Phe Trp Leu Cys Gly Ile Leu Ile Leu Ala Leu Ala Ile Trp
20 25 30

Val Arg Val Ser Asn Asp Ser Gln Ala Ile Phe Gly Ser Glu Asp Val

		35					40					45			
Gly	Ser 50	Ser	Ser	Tyr	Val	Ala 55	Val	Asp	Ile	Leu	Ile 60	Ala	Val	Gly	Ala
Ile 65	Ile	Met	Ile	Leu	Gly 70	Phe	Leu	Gly	Cys	Cys 75	Gly	Ala	Ile	Lys	Glu 80
Ser	Arg	Суѕ	Met	Leu 85	Leu	Leu	Phe	Phe	Ile 90	Gly	Leu	Leu	Leu	Ile 95	Leu
Leu	Leu	Gln	Val 100	Ala	Thr	Gly	Ile	Leu 105	Gly	Ala	Val	Phe	Lys 110	Ser	Lys
Ser	Asp	Arg 115	Ile	Val	Asn	Glu	Thr 120	Leu	Tyr	Glu	Asn	Thr 125	Lys	Leu	Leu
Ser	Ala 130	Thr	Gly	Glu	Ser	Glu 135	Lys	Gln	Phe	Gln	Glu 140	Ala	Ile	Ile	Val
Phe 145	Gln	Glu	Glu	Phe	Lys 150	Cys	Cys	Gly	Leu	Val 155	Asn	Gly	Ala	Ala	Asp 160
Trp	Gly	Asn	Asn	Phe 165	Gln	His	Tyr	Pro	Glu 170	Leu	Cys	Ala	Cys	Leu 175	Asp
Lys	Gln	Arg	Pro 180	Cys	Gln	Ser	Tyr	Asn 185	Gly	Lys	Gln	Val	Tyr 190	Lys	Glu
Thr	Cys	Ile 195	Ser	Phe	Ile	Lys	Asp 200	Phe	Leu	Ala	Lys	Asn 205	Leu	Ile	Ile
Val	Ile 210	Gly	Ile	Ser	Phe	Gly 215	Leu	Ala	Val	Ile	Glu 220	Ile	Leu	Gly	Leu
Val 225	Phe	Ser	Met	Val	Leu 230	Tyr	Cys	Gln	Ile	Gly 235	Asn	Lys			
<211 <212 <213		) RT omo s	sapie	ens											
	)> 1( Ala		Arg	Ala 5	Leu	Суѕ	Met	Leu	Gly 10	Leu	Val	Leu	Ala	Leu 15	Leu
Ser	Ser	Ser	Ser	Ala	Glu	Glu	Tyr	Val	Gly	Leu	Ser	Ala	Asn	Gln	Cys

Ala Val Pro Ala Lys Asp Arg Val Asp Cys Gly Tyr Pro His Val Thr 35 40 45

Pro Lys Glu Cys Asn Asn Arg Gly Cys Cys Phe Asp Ser Arg Ile Pro 50 55 60

Gly Val Pro Trp Cys Phe Lys Pro Leu Gln Glu Ala Glu Cys Thr Phe 65 70 75 80

<210> 1064

<211> 323

<212> PRT

<213> Homo sapiens

<400> 1064

Met Ala Tyr Val Pro Ala Pro Gly Tyr Gln Pro Thr Tyr Asn Pro Thr 5 10 15

Leu Pro Tyr Tyr Gln Pro Ile Pro Gly Gly Leu Asn Val Gly Met Ser 20 25 30

Val Tyr Ile Gln Gly Val Ala Ser Glu His Met Lys Arg Phe Phe Val 35 40 45

Asn Phe Val Val Gly Gln Asp Pro Gly Ser Asp Val Ala Phe His Phe 50 55 60

Asn Pro Arg Phe Asp Gly Trp Asp Lys Val Val Phe Asn Thr Leu Gln 65 . 70 . 75 . 80

Gly Gly Lys Trp Gly Ser Glu Glu Arg Lys Arg Ser Met Pro Phe Lys 85 90 95

Lys Gly Ala Ala Phe Glu Leu Val Phe Ile Val Leu Ala Glu His Tyr 100 105 110

Lys Val Val Val Asn Gly Asn Pro Phe Tyr Glu Tyr Gly His Arg Leu 115 120 125

Pro Leu Gln Met Val Thr His Leu Gln Val Asp Gly Asp Leu Gln Leu 130 135 140

Gln Ser Ile Asn Phe Ile Gly Gly Gln Pro Leu Arg Pro Gln Gly Pro 145 150 155 160

Pro Met Met Pro Pro Tyr Pro Gly Pro Gly His Cys His Gln Gln Leu 165 170 175

Asn Ser Leu Pro Thr Met Glu Gly Pro Pro Thr Phe Asn Pro Pro Val 180 185 190

Pro Tyr Phe Gly Arg Leu Gln Gly Gly Leu Thr Ala Arg Arg Thr Ile 195 200 205

Ile Ile Lys Gly Tyr Val Pro Pro Thr Gly Lys Ser Phe Ala Ile Asn 210 215 220

Phe Lys Val Gly Ser Ser Gly Asp Ile Ala Leu His Ile Asn Pro Arg 225 230 235 240

Met Gly Asn Gly Thr Val Val Arg Asn Ser Leu Leu Asn Gly Ser Trp
245 250 255

Gly Ser Glu Glu Lys Lys Ile Thr His Asn Pro Phe Gly Pro Gly Gln 260 265 270

Phe Phe Asp Leu Ser Ile Arg Cys Gly Leu Asp Arg Phe Lys Val Tyr 275 280 285

Ala Asn Gly Gln His Leu Phe Asp Phe Ala His Arg Leu Ser Ala Phe 290 295 300

Gln Arg Val Asp Thr Leu Glu Ile Gln Gly Asp Val Thr Leu Ser Tyr 305 310 315 320

Val Gln Ile

<210> 1065

<211> 957

<212> PRT

<213> Homo sapiens

<400> 1065

Arg Asn Arg Pro His Thr Thr Ala Phe Pro Gly Ser Thr Thr Met Pro 5 10 15

Gly Val Ser Gln Glu Ser Thr Ala Ser His Ser Ser Pro Gly Ser Thr 20 25 30

Asp Thr Thr Leu Ser Pro Gly Ser Thr Thr Ala Ser Ser Leu Gly Pro 35 40 45

Glu Ser Thr Thr Phe His Ser Gly Pro Gly Ser Thr Glu Thr Thr Leu 50 55 60

Leu Pro Asp Asn Thr Thr Ala Ser Gly Leu Leu Glu Ala Ser Thr Pro 65 70 75 80

Val His Ser Ser Thr Gly Ser Pro His Thr Thr Leu Ser Pro Ala Gly 85 90 95

Ser Thr Thr Arg Gln Gly Glu Ser Thr Thr Phe Gln Ser Trp Pro Asn 100 105 110

Ser Lys Asp Thr Thr Pro Ala Pro Pro Thr Thr Thr Ser Ala Phe Val 115 120 125

Glu Leu Ser Thr Thr Ser His Gly Ser Pro Ser Ser Thr Pro Thr Thr

The state was the same and the state of the

130 135 140 His Phe Ser Ala Ser Ser Thr Thr Leu Gly Arg Ser Glu Glu Ser Thr 145 150 155 Thr Val His Ser Ser Pro Val Ala Thr Ala Thr Thr Pro Ser Pro Ala Arg Ser Thr Thr Ser Gly Leu Val Glu Glu Ser Thr Thr Tyr His Ser Ser Pro Gly Ser Thr Gln Thr Met His Phe Pro Glu Ser Asp Thr Thr 195 200 Ser Gly Arg Gly Glu Glu Ser Thr Thr Ser His Ser Ser Thr Thr His 215 Thr Ile Ser Ser Ala Pro Ser Thr Thr Ser Ala Leu Val Glu Glu Pro 230 235 Thr Ser Tyr His Ser Ser Pro Gly Ser Thr Ala Thr Thr His Phe Pro 245 250 Asp Ser Ser Thr Thr Ser Gly Arg Ser Glu Glu Ser Thr Ala Ser His 265 Ser Asn Gln Asp Ala Thr Gly Thr Ile Val Leu Pro Ala Arg Ser Thr 275 Thr Ser Val Leu Leu Gly Glu Ser Thr Thr Ser Pro Ile Ser Ser Gly 295 Ser Met Glu Thr Thr Ala Leu Pro Gly Ser Thr Thr Thr Pro Gly Leu 310 315 Ser Glu Lys Ser Thr Thr Phe His Ser Ser Pro Arg Ser Pro Ala Thr 325 Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val Ser Glu Glu Ser 345 Thr Thr Ser His Ser Arg Pro Gly Ser Thr His Thr Thr Ala Phe Pro 355 Asp Ser Thr Thr Thr Pro Gly Leu Ser Arg His Ser Thr Thr Ser His 375 Ser Ser Pro Gly Ser Thr Asp Thr Thr Leu Leu Pro Ala Ser Thr Thr 390 395 Thr Ser Gly Pro Ser Gln Glu Ser Thr Thr Ser His Ser Ser Pro Gly 405 410 Ser Thr Asp Thr Ala Leu Ser Pro Gly Ser Thr Thr Ala Leu Ser Phe

			420					425			-		430		
Gly	Gln	Glu 435	Ser	Thr	Thr	Phe	His 440	Ser	Ser	Pro	Gly	Ser 445	Thr	His	Thr
Thr	Leu 450	Phe	Pro	Asp	Ser	Thr 455	Thr	Ser	Ser	Gly	Ile 460	Val	Glu	Ala	Ser
Thr 465	Arg	Val	His	Ser	Ser 470	Thr	Gly	Ser	Pro	Arg 475	Thr	Thr	Leu	Ser	Pro 480
Ala	Ser	Ser	Thr	Ser 485	Pro	Gly	Leu	Gln	Gly 490	Glu	Ser	Thr	Ala	Phe 495	Gln
Thr	His	Pro	Ala 500	Ser	Thr	His	Thr	Thr 505	Pro	Ser	Thr	Pro	Ser 510	Thr	Ala
Thr	Ala	Pro 515	Val	Glu	Glu	Ser	Thr 520	Thr	Tyr	His	Arg	Ser 525	Pro	Ser	Ser
Thr	Pro 530	Thr	Thr	His	Phe	Pro 535	Ala	Ser	Ser	Thr	Thr 540	Ser	Gly	His	Ser
Glu 545	Lys	Ser	Thr	Ile	Phe 550	His	Ser	Ser	Pro	Asp 555	Ala	Ser	Gly	Thr	Thr 560
Pro	Ser	Ser	Ala	His 565	Ser	Thr	Thr	Ser	Gly 570	Arg	Gly	Glu	Ser	Thr 575	Thr
Ser	Arg	Ile	Ser 580	Pro	Gly	Ser	Thr	Glu 585	Ile	Thr	Thr	Leu	Pro 590	Gly	Ser
Thr	Thr	Thr 595	Pro	Gly	Leu	Ser	Glu 600	Ala	Ser	Thr	Thr	Phe 605	Tyr	Ser	Ser
Pro	Arg 610	Ser	Pro	Thr	Thr	Thr 615	Leu	Ser	Pro	Ala	Ser 620	Met	Thr	Ser	Leu
Gly 625	Val	Gly	Glu	Glu	Ser 630	Thr	Thr	Ser	Arg	Ser 635	Gln	Pro	Gly	Ser	Thr 640
His	Ser	Thr	Val	Ser 645	Pro	Ala	Ser	Thr	Thr 650	Thr	Pro	Gly	Leu	Ser 655	Glu
Glu	Ser	Thr	Thr 660	Val	Tyr	Ser	Ser	Ser 665	Pro	Gly	Ser	Thr	Glu 670	Thr	Thr
Val	Phe	Pro 675	Arg	Ser	Thr	Thr	Thr 680	Ser	Val	Arg	Gly	Glu 685	Glu	Pro	Thr
Thr	Phe 690	His	Ser	Arg	Pro	Ala 695	Ser	Thr	His	Thr	Thr 700	Leu	Phe	Thr	Glu
Asp	Ser	Thr	Thr	Ser	Gly	Leu	Thr	Glu	Glu	Ser	Thr	Ala	Phe	Pro	Gly

705		710				715					720
Ser Pro A		Thr Gln 725	Thr Gl	/ Leu	Pro 730	Ala	Thr	Leu	Thr	Thr 735	Ala
Asp Leu (	Gly Glu 6 740	Glu Ser	Thr Th	745	Pro	Ser	Ser	Ser	Gly 750	Ser	Thr
Gly Thr	Thr Leu S 755	Ser Pro	Ala Aro	-	Thr	Thr	Ser	Gly 765	Leu	Val	Gly
Glu Ser 7	Thr Pro S		Leu Sei 775	r Pro	Ser	Ser	Thr 780	Glu	Thr	Thr	Thr
Leu Pro ( 785	Gly Ser E	Pro Thr 790	Thr Pro	Ser	Leu	Ser 795	Glu	Lys	Ser	Thr	Thr 800
Phe Tyr		Pro Arg 805	Ser Pro	Asp	Ala 810	Thr	Leu	Ser	Pro	Ala 815	Thr
Thr Thr S	Ser Ser G 820	Sly Val	Ser Glu	1 Glu 825	Ser	Ser	Thr	Ser	His 830	Ser	Gln
Pro Gly S	Ser Thr H 835	lis Thr	Thr Ala		Pro	Asp	Ser	Thr 845	Thr	Thr	Ser
Gly Leu S 850	Ser Gln G		Lys Thi 855	Ser	His	Ser	Ser 860	Gln	Gly	Ser	Thr
Glu Ala 1 865	Thr Leu S	Ser Pro 870	Gly Se	Thr	Thr	Ala 875	Ser	Ser	Leu	Gly	Gln 880
Gln Ser T		Phe His 185	Ser Se	Pro	Gly 890	Asp	Thr	Glu	Thr	Thr 895	Leu
Leu Pro A	Asp Asp T 900	hr Ile	Thr Sei	Gly 905	Leu	Val	Glu	Ala	Ser 910	Thr	Pro
Thr His S	Ser Ser I 915	hr Gly	Ser Let 920		Thr	Thr	Leu	Thr 925	Pro	Ala	Ser
Ser Thr S	Ser Ala G		Gln Glı 935	ı Glu	Ser	Thr	Thr 940	Phe	Gln	Ser	Trp
Pro Ser S 945	Ser Ser A	sp Thr 950	Thr Pro	Ser	Pro	Pro 955	Gly	Pro			

<210> 1066 <211> 914

<212> PRT

<213> Homo sapiens

<400> 1066

Met Gly Pro Phe Lys Ser Ser Val Phe Ile Leu Ile Leu His Leu Leu 5 10 15

Glu Gly Ala Leu Ser Asn Ser Leu Ile Gln Leu Asn Asn Asn Gly Tyr 20 25 30

Glu Gly Ile Val Val Ala Ile Asp Pro Asn Val Pro Glu Asp Glu Thr 35 40 45

Leu Ile Gln Gln Ile Lys Asp Met Val Thr Gln Ala Ser Leu Tyr Leu 50 55 60

Phe Glu Ala Thr Gly Lys Arg Phe Tyr Phe Lys Asn Val Ala Ile Leu 65 70 75 80

Ile Pro Glu Thr Trp Lys Thr Lys Ala Asp Tyr Val Arg Pro Lys Leu 85 90 95

Glu Thr Tyr Lys Asn Ala Asp Val Leu Val Ala Glu Ser Thr Pro Pro 100 105 110

Gly Asn Asp Glu Pro Tyr Thr Glu Gln Met Gly Asn Cys Gly Glu Lys 115 120 125

Gly Glu Arg Ile His Leu Thr Pro Asp Phe Ile Ala Gly Lys Lys Leu 130 135 140

Ala Glu Tyr Gly Pro Gln Gly Lys Ala Phe Val His Glu Trp Ala His 145 150 155 160

Leu Arg Trp Gly Val Phe Asp Glu Tyr Asn Asn Asp Glu Lys Phe Tyr 165 170 175

Leu Ser Asn Gly Arg Ile Gln Ala Val Arg Cys Ser Ala Gly Ile Thr 180 185 190

Gly Thr Asn Val Val Lys Lys Cys Gln Gly Gly Ser Cys Tyr Thr Lys 195 200 205

Arg Cys Thr Phe Asn Lys Val Thr Gly Leu Tyr Glu Lys Gly Cys Glu 210 215 220

Phe Val Leu Gln Ser Arg Gln Thr Glu Lys Ala Ser Ile Met Phe Ala 225 230 235 240

Gln His Val Asp Ser Ile Val Glu Phe Cys Thr Glu Gln Asn His Asn 245 250 255

Lys Glu Ala Pro Asn Lys Gln Asn Gln Lys Cys Asn Leu Arg Ser Thr 260 265 270

Trp Glu Val Ile Arg Asp Ser Glu Asp Phe Lys Lys Thr Thr Pro Met 275 280 285

,

Thr Thr Gln Pro Pro Asn Pro Thr Phe Ser Leu Leu Gln Ile Gly Gln
290
295
300

Arg Ile Val Cur Leu Val Leu Asp Lus Ser Gly Ser Met Ala Thr Gly

Arg Ile Val Cys Leu Val Leu Asp Lys Ser Gly Ser Met Ala Thr Gly 305 310 315 320

Asn Arg Leu Asn Arg Leu Asn Gln Ala Gly Gln Leu Phe Leu Leu Gln 325 330 335

Thr Val Glu Leu Gly Ser Trp Val Gly Met Val Thr Phe Asp Ser Ala 340 345 350

Ala His Val Gln Ser Glu Leu Ile Gln Ile Asn Ser Gly Ser Asp Arg 355 360 365

Asp Thr Leu Ala Lys Arg Leu Pro Ala Ala Ala Ser Gly Gly Thr Ser 370 375 380

Ile Cys Ser Gly Leu Arg Ser Ala Phe Thr Val Ile Arg Lys Lys Tyr 385 390 395 400

Pro Thr Asp Gly Ser Glu Ile Val Leu Leu Thr Asp Gly Glu Asp Asn 405 410 415

Thr Ile Ser Gly Cys Phe Asn Glu Val Lys Gln Ser Gly Ala Ile Ile 420 425 430

His Thr Val Ala Leu Gly Pro Ser Ala Ala Gln Glu Leu Glu Glu Leu 435 440 445

Ser Lys Met Thr Gly Gly Leu Gln Thr Tyr Ala Ser Asp Gln Val Gln 450 455 460

Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala Leu Ser Ser Gly Asn Gly 465 470 475 480

Ala Val Ser Gln Arg Ser Ile Gln Leu Glu Ser Lys Gly Leu Thr Leu 485 490 495

Gln Asn Ser Gln Trp Met Asn Gly Thr Val Île Val Asp Ser Thr Val
500 505 510

Gly Lys Asp Thr Leu Phe Leu Ile Thr Trp Thr Thr Gln Pro Pro Gln 515 520 525

Ile Leu Leu Trp Asp Pro Ser Gly Gln Lys Gln Gly Gly Phe Val Val 530 535 540

Asp Lys Asn Thr Lys Met Ala Tyr Leu Gln Ile Pro Gly Ile Ala Lys 545 550 555 560

Val Gly Thr Trp Lys Tyr Ser Leu Gln Ala Ser Ser Gln Thr Leu Thr 565 570 575

- Leu Thr Val Thr Ser Arg Ala Ser Asn Ala Thr Leu Pro Pro Ile Thr 580 585 590
- Val Thr Ser Lys Thr Asn Lys Asp Thr Ser Lys Phe Pro Ser Pro Leu 595 600 605
- Val Val Tyr Ala Asn Ile Arg Gln Gly Ala Ser Pro Ile Leu Arg Ala 610 615 620
- Ser Val Thr Ala Leu Ile Glu Ser Val Asn Gly Lys Thr Val Thr Leu 625 630 635 640
- Glu Leu Leu Asp Asn Gly Ala Gly Ala Asp Ala Thr Lys Asp Asp Gly
  645 650 655
- Val Tyr Ser Arg Tyr Phe Thr Thr Tyr Asp Thr Asn Gly Arg Tyr Ser 660 665 670
- Val Lys Val Arg Ala Leu Gly Gly Val Asn Ala Ala Arg Arg Val 675 680 685
- Ile Pro Gln Gln Ser Gly Ala Leu Tyr Ile Pro Gly Trp Ile Glu Asn 690 695 700
- Asp Glu Ile Gln Trp Asn Pro Pro Arg Pro Glu Ile Asn Lys Asp Asp 705 710 715 720
- Val Gln His Lys Gln Val Cys Phe Ser Arg Thr Ser Ser Gly Gly Ser 725 730 735
- Phe Val Ala Ser Asp Val Pro Asn Ala Pro Ile Pro Asp Leu Phe Pro 740 745 750
- Pro Gly Gln Ile Thr Asp Leu Lys Ala Glu Ile His Gly Gly Ser Leu
  755 760 765
- Ile Asn Leu Thr Trp Thr Ala Pro Gly Asp Asp Tyr Asp His Gly Thr 770 775 780
- Ala His Lys Tyr Ile Ile Arg Ile Ser Thr Ser Ile Leu Asp Leu Arg 785 790 795 800
- Asp Lys Phe Asn Glu Ser Leu Gln Val Asn Thr Thr Ala Leu Ile Pro 805 810 815
- Lys Glu Ala Asn Ser Glu Glu Val Phe Leu Phe Lys Pro Glu Asn Ile 820 825 830
- Thr Phe Glu Asn Gly Thr Asp Leu Phe Ile Ala Ile Gln Ala Val Asp 835 840 845
- Lys Val Asp Leu Lys Ser Glu Ile Ser Asn Ile Ala Arg Val Ser Leu 850 855 860

Phe Ile Pro Pro Gln Thr Pro Pro Glu Thr Pro Ser Pro Asp Glu Thr 865 870 875 880

338

Ser Ala Pro Cys Pro Asn Ile His Ile Asn Ser Thr Ile Pro Gly Ile 885 890 895

His Ile Leu Lys Ile Met Trp Lys Trp Ile Gly Glu Leu Gln Leu Ser 900 905 910

Ile Ala

<210> 1067

<211> 585

<212> PRT

<213> Homo sapiens

<400> 1067

Thr Leu Ser Pro Ala Ser Met Arg Ser Ser Ser Ile Ser Gly Glu Pro
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Thr Ser Leu Tyr Ser Gln Ala Glu Ser Thr His Thr Thr Ala Phe Pro 20 25 30

Ala Ser Thr Thr Ser Gly Leu Ser Gln Glu Ser Thr Thr Phe His 35 40 45

Ser Lys Pro Gly Ser Thr Glu Thr Thr Leu Ser Pro Gly Ser Ile Thr 50 55 60

Thr Ser Ser Phe Ala Gln Glu Phe Thr Thr Pro His Ser Gln Pro Gly 65 70 75 80

Ser Ala Leu Ser Thr Val Ser Pro Ala Ser Thr Thr Val Pro Gly Leu 85 90 95

Ser Glu Glu Ser Thr Thr Phe Tyr Ser Ser Pro Gly Ser Thr Glu Thr

Thr Ala Phe Ser His Ser Asn Thr Met Ser Ile His Ser Gln Gln Ser 115 120 125

Thr Pro Phe Pro Asp Ser Pro Gly Phe Thr His Thr Val Leu Pro Ala 130 135 140

Thr Leu Thr Thr Thr Asp Ile Gly Gln Glu Ser Thr Ala Phe His Ser 145 150 155 160

Ser Ser Asp Ala Thr Gly Thr Thr Pro Leu Pro Ala Arg Ser Thr Ala 165 170 175

Ser Asp Leu Val Gly Glu Pro Thr Thr Phe Tyr Ile Ser Pro Ser Pro 180 185 190

470

475

Thr Tyr Thr Thr Leu Phe Pro Ala Ser Ser Ser Thr Ser Gly Leu Thr 200 Glu Glu Ser Thr Thr Phe His Thr Ser Pro Ser Phe Thr Ser Thr Ile 215 Val Ser Thr Glu Ser Leu Glu Thr Leu Ala Pro Gly Leu Cys Gln Glu 230 235 Gly Gln Ile Trp Asn Gly Lys Gln Cys Val Cys Pro Gln Gly Tyr Val 245 250 Gly Tyr Gln Cys Leu Ser Pro Leu Glu Ser Phe Pro Val Glu Thr Pro Glu Lys Leu Asn Ala Thr Leu Gly Met Thr Val Lys Val Thr Tyr Arg 280 Asn Phe Thr Glu Lys Met Asn Asp Ala Ser Ser Gln Glu Tyr Gln Asn 295 Phe Ser Thr Leu Phe Lys Asn Arg Met Asp Val Val Leu Lys Gly Asp 310 315 Asn Leu Pro Gln Tyr Arg Gly Val Asn Ile Arg Arg Leu Leu Asn Gly 330 Ser Ile Val Val Lys Asn Asp Val Ile Leu Glu Ala Asp Tyr Thr Leu 350 Glu Tyr Glu Glu Leu Phe Glu Asn Leu Ala Glu Ile Val Lys Ala Lys 360 Ile Met Asn Glu Thr Arg Thr Thr Leu Leu Asp Pro Asp Ser Cys Arg 375 Lys Ala Ile Leu Cys Tyr Ser Glu Glu Asp Thr Phe Val Asp Ser Ser 385 390 395 400 Val Thr Pro Gly Phe Asp Phe Gln Glu Gln Cys Thr Gln Lys Ala Ala 410 Glu Gly Tyr Thr Gln Phe Tyr Tyr Val Asp Val Leu Asp Gly Lys Leu 420 430 Ala Cys Val Asn Lys Cys Thr Lys Gly Thr Lys Ser Gln Met Asn Cys 435 Asn Leu Gly Thr Cys Gln Leu Gln Arg Ser Gly Pro Arg Cys Leu Cys Pro Asn Thr Asn Thr His Trp Tyr Trp Gly Glu Thr Cys Glu Phe Asn Ile Ala Lys Ser Leu Val Tyr Gly Ile Val Gly Ala Val Met Ala Val
485 490 495

Leu Leu Leu Ala Leu Ile Ile Leu Ile Ile Leu Phe Ser Leu Ser Gln 500 505 510

Arg Lys Arg His Arg Glu Gln Tyr Asp Val Pro Gln Glu Trp Arg Lys 515 520 525

Glu Gly Thr Pro Gly Ile Phe Gln Lys Thr Ala Ile Trp Glu Asp Gln 530 535 540

Asn Leu Arg Glu Ser Arg Phe Gly Leu Glu Asn Ala Tyr Asn Asn Phe 545 550 555 560

Arg Pro Thr Leu Glu Thr Val Asp Ser Gly Thr Glu Leu His Ile Gln
565 570 575

Arg Pro Glu Met Val Ala Ser Thr Val 580 585

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<211> 5179

<212> PRT

<213> Homo sapiens

<400> 1068

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Leu Ala Gly Gly Ser Glu Leu Gln Thr Glu Gly Arg Thr Arg Tyr His
20 25 30

Gly Arg Asn Val Cys Ser Thr Trp Gly Asn Phe His Tyr Lys Thr Phe 35 40 45

Asp Gly Asp Val Phe Arg Phe Pro Gly Leu Cys Asp Tyr Asn Phe Ala 50 55 60

Ser Asp Cys Arg Gly Ser Tyr Lys Glu Phe Ala Val His Leu Lys Arg 65 70 75 80

Gly Pro Gly Gln Ala Glu Ala Pro Ala Gly Val Glu Ser Ile Leu Leu 85 90 95

Thr Ile Lys Asp Asp Thr Ile Tyr Leu Thr Arg His Leu Ala Val Leu 100 105 110

Asn Gly Ala Val Val Ser Thr Pro His Tyr Ser Pro Gly Leu Leu Ile 115 120 125

Glu Lys Ser Asp Ala Tyr Thr Lys Val Tyr Ser Arg Ala Gly Leu Thr

	130					135					140				
Leu 145	Met	Trp	Asn	Arg	Glu 150	Asp	Ala	Leu	Met	Leu 155	Glu	Leu	Asp	Thr	Lys 160
Phe	Arg	Asn	His	Thr 165	Cys	Gly	Leu	Cys	Gly 170	Asp	Tyr	Asn	Gly	Leu 175	Glr
Ser	Tyr	Ser	Glu 180	Phe	Leu	Ser	Asp	Gly 185	Val	Leu	Phe	Ser	Pro 190	Leu	Glu
Phe	Gly	Asn 195	Met	Gln	Lys	Ile	Asn 200	Gln	Pro	Asp	Val	.Val 205	Cys	Glu	Asp
Pro	Glu 210	Glu	Glu	Val	Ala	Pro 215	Ala	Ser	Cys	Ser	Glu 220	His	Arg	Ala	Glu
Cys 225	Glu	Arg	Leu	Leu	Thr 230	Ala	Glu	Ala	Phe	Ala 235	Asp	Cys	Gln	Asp	Leu 240
Val	Pro	Leu	Glu	Pro 245	Tyr	Leu	Arg	Ala	Cys 250	Gln	Gln	Asp	Arg	Cys .255	Arg
Cys	Pro	Gly	Gly 260	Asp	Thr	Cys	Val	Cys 265	Ser	Thr	Val	Ala	Glu 270	Phe	Ser
Arg	Gln	Cys 275	Ser	His	Ala	Gly	Gly 280	Arg	Pro	Gly	Asn	Trp 285	Arg	Thr	Ala
Thr	Leu 290	Cys	Pro	Lys	Thr	Cys 295	Pro	Gly	Asn	Leu	Val 300	Tyr	Leu	Glu	Ser
Gly 305	Ser	Pro	Cys	Met	Asp 310	Thr	Cys	Ser	His	Leu 315	Glu	Val	Ser	Ser	Let 320
Cys	Glu	Glu	His	Arg 325	Met	Asp	Gly	Cys	Phe 330	Cys	Pro	Glu	Gly	Thr 335	Val
Tyr	Asp	Asp	Ile 340	Gly	Asp	Ser	Gly	Cys 345	Val	Pro	Val	Ser	Gln 350	Cys	His
Cys	Arg	Leu 355	His	Gly	His	Leu	Tyr 360	Thr	Pro	Gly	Gln	Glu 365	Ile	Thr	Asn
Asp	Cys 370	Glu	Gln	Cys	Val	Cys 375	Asn	Ala	Gly	Arg	Trp 380	Val	Cys	Lys	Asp
Leu 385	Pro	Cys	Pro	Gly	Thr 390	Cys	Ala	Leu	Glu	Gly 395	Gly	Ser	His	Ile	Thr
Thr	Phe	Asp	Gly	Lys 405	Thr	Tyr	Thr	Phe	His 410	Gly	Asp	Cys	Tyr	Tyr 415	Val
r 011	71.	Tue	C1	7 ~~	11	7000	7. ~~	C	т	77 -	т	T	C1	C1	T

			420					425					430		
Ala	Pro	Cys 435	Gly	Ser	Thr	Asp	Lys 440	Gln	Thr	Суѕ	Leu	Lys 445	Thr	Val	Val
Leu	Leu 450	Ala	Asp	Lys	Lys	Lys 455	Asn	Ala	Val	Val	Phe 460	Lys	Ser	Asp	Gly
Ser 465	Val	Leu	Leu	Asn	Gln 470	Leu	Gln	Val	Asn	Leu 475	Pro	His	Val	Thr	Ala 480
Ser	Phe	Ser	Val	Phe 485	Arg	Pro	Ser	Ser	Tyr 490	His	Ile	Met	Val	Ser 495	Met
Ala	Ile	Gly	Val 500	Arg	Leu	Gln	Val	Gln 505	Leu	Ala	Pro	Val	Met 510	Gln	Leu
Phe	Val	Thr 515	Leu	Asp	Gln	Ala	Ser 520	Gln	Gly	Gln	Val	Gln 525	Gly	Leu	Cys
Gly	Asn 530	Phe	Asn	Gly	Leu	Glu 535	Gly	Asp	Asp	Phe	Lys 540	Thr	Ala	Ser	Gly
Leu 545	Val	Glu	Ala	Thr	Gly 550	Ala	Gly	Phe	Ala	Asn 555		Trp	Lys	Ala	Gln 560
Ser	Thr	Cys	His	Asp 565	Lys	Leu	Asp	Trp	Leu 570	Asp	Asp	Pro	Cys	Ser 575	Leu
Asn	Ile	Glu	Ser 580	Ala	Asn	Tyr	Ala	Glu 585	His	Trp	Cys	Ser	Leu 590	Leu	Lys
Lys	Thr	Glu 595	Thr	Pro	Phe	Gly	Arg 600	Cys	His	Ser	Ala	Val 605	Asp	Pro	Ala
Glu	Tyr 610	Tyr	Lys	Arg	Cys	Lys 615	Tyr	Asp	Thr	Cys	Asn 620	Cys	Gln	Asn	Asn
Glu 625	Asp	Cys	Leu	Cys	Ala 630	Ala	Leu	Ser	Ser	Tyr 635	Ala	Arg	Ala	Cys	Thr 640
Ala	Lys	Gly	Val	Met 645	Leu	Trp	Gly	Trp	Arg 650	Glu	His	Val	Cys	Asn 655	Lys
Asp	Val	Gly	Ser 660	Cys	Pro	Asn	Ser	Gln 665	Val	Phe	Leu	Tyr	Asn 670	Leu	Thr
Thr	Суѕ	Gln 675	Gln	Thr	Суѕ	Arg	Ser 680	Leu	Ser	Glu	Ala	Asp 685	Ser	His	Cys
Leu	Glu 690	Gly	Phe	Ala	Pro	Val 695	Asp	Gly	Cys	Gly	Cys 700	Pro	Asp	His	Thr
Phe	Leu	Asp	Glu	Lys	Gly	Arg	Cys	Val	Pro	Leu	Ala	Lys	Cys	Ser	Cys

705	710		715	720
Tyr His Arg G	Gly Leu Tyr 725	Leu Glu Ala	Gly Asp Val Va 730	al Val Arg Gln 735
_	Cys Val Cys 740	Arg Asp Gly 745	Arg Leu His C	ys Arg Gln Ile 750
Arg Leu Ile 6 755	Gly Gln Ser	Cys Thr Ala 760	Pro Lys Ile H:	is Met Asp Cys 65
Ser Asn Leu T 770	Thr Ala Leu	Ala Thr Ser	Lys Pro Arg A 780	la Leu Ser Cys
Gln Thr Leu A	Ala Ala Gly 790	Tyr Tyr His	Thr Glu Cys Va 795	al Ser Gly Cys 800
Val Cys Pro A	Asp Gly Leu 805	Met Asp Asp	Gly Arg Gly G 810	ly Cys Val Val 815
	Cys Pro Cys 320	Val His Asn 825	Asn Asp Leu Ty	yr Ser Ser Gly 830
Ala Lys Ile I 835	Lys Val Asp	Cys Asn Thr 840	Cys Thr Cys Ly 84	ys Arg Gly Arg 45
Trp Val Cys T 850	Thr Gln Ala	Val Cys His 855	Gly Thr Cys Se 860	er Ile Tyr Gly
Ser Gly His T 865	Tyr Ile Thr 870	Phe Asp Gly	Lys Tyr Tyr As 875	sp Phe Asp Gly 880
His Cys Ser T	Tyr Val Ala 885	Val Gln Asp	Tyr Cys Gly G 890	ln Asn Ser Ser 895
	Phe Ser Ile	Ile Thr Glu 905	Asn Val Pro Cy	ys Gly Thr Thr 910
Gly Val Thr C 915	Cys Ser Lys	Ala Ile Lys 920	Ile Phe Met G	ly Arg Thr Glu 25
Leu Lys Leu G 930	Glu Asp Lys	His Arg Val 935	Val Ile Gln An 940	g Asp Glu Gly
His His Val A 945	Ala Tyr Thr 950	Thr Arg Glu	Val Gly Gln Ty 955	yr Leu Val Val 960
Glu Ser Ser T	Chr Gly Ile 965	Ile Val Ile	Trp Asp Lys Ar 970	rg Thr Thr Val 975
	eu Ala Pro 980	Ser Tyr Lys 985	Gly Thr Val Cy	ys Gly Leu Cys 990
Gly Asn Phe A	Asp His Arg	Ser Asn Asn	Asp Phe Thr Th	nr Arg Asp His

Met Val Val Ser Ser Glu Leu Asp Phe Gly Asn Ser Trp Lys Glu Ala Pro Thr Cys Pro Asp Val Ser Thr Asn Pro Glu Pro Cys Ser Leu Asn Pro His Arg Arg Ser Trp Ala Glu Lys Gln Cys Ser Ile Leu Lys Ser Ser Val Phe Ser Ile Cys His Ser Lys Val Asp Pro Lys Pro Phe Tyr Glu Ala Cys Val His Asp Ser Cys Ser Cys Asp Thr Gly Gly Asp Cys Glu Cys Phe Cys Ser Ala Val Ala Ser Tyr Ala Gln Glu Cys Thr Lys Glu Gly Ala Cys Val Phe Trp Arg Thr Pro Asp Leu Cys Pro Ile Phe Cys Asp Tyr Tyr Asn Pro Pro His Glu Cys Glu Trp His Tyr Glu Pro Cys Gly Asn Arg Ser Phe Glu Thr Cys Arg Thr Ile Asn Gly Ile His Ser Asn Ile Ser Val Ser Tyr Leu Glu Gly Cys Tyr Pro Arg Cys Pro Lys Asp Arq Pro Ile Tyr Glu Glu Asp Leu Lys Lys Cys Val Thr Ala Asp Lys Cys Gly Cys Tyr Val Glu Asp Thr His Tyr Pro Pro Gly Ala Ser Val Pro Thr Glu Glu Thr Cys Lys Ser Cys Val Cys Thr Asn Ser Ser Gln Val Val Cys Arg Pro Glu Glu Gly Lys Ile Leu Asn Gln Thr Gln Asp Gly Ala Phe Cys Tyr Trp Glu Ile Cys Gly Pro Asn Gly Thr Val Glu Lys His Phe Asn Ile Cys Ser Ile Thr Thr Arg Pro Ser Thr Leu Thr Thr Phe Thr Thr Ile Thr Leu Pro Thr Thr Pro Thr Ser Phe Thr Thr Thr Thr Thr Thr Thr Pro Thr Ser Ser Thr Val Leu Ser

Thr Thr Pro Lys Leu Cys Cys Leu Trp Ser Asp Trp Ile Asn Glu Asp His Pro Ser Ser Gly Ser Asp Gly Asp Arg Glu Pro Phe Asp Gly Val Cys Gly Ala Pro Glu Asp Ile Glu Cys Arg Ser Val Lys Asp Pro His Leu Ser Leu Glu Gln His Gly Gln Lys Val Gln Cys Asp Val Ser Val Gly Phe Ile Cys Lys Asn Glu Asp Gln Phe Gly Asn Gly Pro Phe Gly Leu Cys Tyr Asp Tyr Lys Ile Arg Val Asn Cys Cys Trp Pro Met Asp Lys Cys Ile Thr Thr Pro Ser Pro Pro Thr Thr Thr Pro Ser Pro Pro Pro Thr Thr Thr Thr Leu Pro Pro Thr Thr Pro Ser Pro Pro Thr Thr Thr Thr Thr Pro Pro Pro Thr Thr Thr Pro Ser Pro Pro Ile Thr Thr Thr Thr Pro Leu Pro Thr Thr Pro Ser Pro 1455. Pro Ile Ser Thr Thr Thr Pro Pro Pro Thr Thr Thr Pro Ser Pro Pro Thr Thr Pro Ser Pro Pro Thr Thr Pro Ser Pro Pro Thr Thr Thr Thr Thr Pro Pro Pro Thr Thr Pro Ser Pro Pro Met Thr Thr Pro Ile Thr Pro Pro Ala Ser Thr Thr Leu Pro Pro Thr Thr Thr Pro Ser Pro Pro Thr Thr Thr Thr Thr Pro Pro Pro Thr Thr Thr Pro Ser Pro Pro Thr Thr Pro Ile Thr Pro Pro Thr Ser Thr Thr Leu Pro Pro Thr Thr Pro Ser Pro Pro Pro Thr Thr Thr Thr Pro Pro Pro Thr Thr Pro Ser Pro Pro Thr Thr

	1570	)				1575	5				1580	)			
Thr 1585		Ser	Pro	Pro	Thr 1590		Thr	Thr	Thr	Thr 1599		Pro	Pro	Thr	Thr 1600
Thr	Pro	Ser	Pro	Pro 1605		Thr	Thr	Thr	Thr 1610		Pro	Pro	Pro	Thr 1615	
Thr	Pro	Ser	Pro 1620		Thr	Thr	Thr	Pro 1625		Thr	Pro	Pro	Thr 1630		Thr
Thr	Thr	Leu 1635	Pro	Pro	Thr	Thr	Thr 1640		Ser	Pro	Pro	Pro 1645		Thr	Thr
Thr	Thr 1650		Pro	Pro	Thr	Thr 1655		Pro	Ser	Pro	Pro 1660		Thr	Thr	Thr
Pro 1665		Pro	Pro	Ile	Thr 167(		Thr	Thr	Thr	Pro 1675		Pro	Thr	Thr	Thr 1680
Pro	Ser	Ser	Pro	Ile 1685		Thr	Thr	Pro	Ser 1690		Pro	Thr	Thr	Thr 1695	
Thr	Thr	Pro	Ser 1700		Thr	Thr	Thr	Pro 1705		Ser	Pro	Ile	Thr 1710		Thr
Thr	Thr	Pro 1715	Ser	Ser	Thr	Thr	Thr 1720		Ser	Pro	Pro	Pro 1725		Thr	Met
Thr	Thr 1730		Ser	Pro	Thr	Thr 1735		Pro	Ser	Pro	Pro 1740		Thr	Thr	Met
Thr 1745		Leu	Pro	Pro	Thr 1750		Thr	Ser	Ser	Pro 1755		Thr	Thr	Thr	Pro 1760
Leu	Pro	Pro	Ser	Ile 1765		Pro	Pro	Thr	Phe 1770		Pro	Phe	Ser	Thr 1775	
Thr	Pro	Thr	Thr 1780			Val			Cys		_		_	_	Leu
Asp	Ser	Gly 1795	Lys	Pro	Asn	Phe	His 1800	_	Pro	Gly	Gly	Asp 1805		Glu	Leu
Ile	Gly 1810		Val	Cys	Gly	Pro 1815	_	Trp	Ala	Ala	Asn 1820		Ser	Cys	Arg
Ala 1825		Met	Tyr	Pro	Asp 1830		Pro	Ile	Gly	Gln 1835		Gly	Gln	Thr	Val 1840
Val	Cys	Asp	Val	Ser 1845		Gly	Leu	Ile	Cys 1850		Asn	Glu	Asp	Gln 1855	
Pro	Gly	Gly	Val	Ile	Pro	Met	Ala	Phe	Cys	Leu	Asn	Tyr	Glu	Ile	Asn

Val Gln Cys Cys Glu Cys Val Thr Gln Pro Thr Thr Met Thr Thr Thr Thr Glu Asn Pro Thr Pro Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Wal

Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro

		243	5				2440	)				2445	5		
Thr	Thr 2450		Pro	Ile	Thr	Thr 245		Thr	Thr	Val	Thr 246		Thr	Pro	Thr
Pro 246		Gly	Thr	Gln	Thr 2470		Thr	Thr	Thr	Pro 2475		Thr	Thr	Thr	Thr 2480
Thr	Val	Thr	Pro	Thr 248		Thr	Pro	Thr	Gly 2490		Gln	Thr	Pro	Thr 2495	
Thr	Pro	Ile	Thr 250		Thr	Thr	Thr	Val 250		Pro	Thr	Pro	Thr 2510	Pro	Thr
Gly	Thr	Gln 251		Pro	Thr	Thr	Thr 2520		Ile	Thr	Thr	Thr 2525		Thr	Val
Thr	Pro 2530		Pro	Thr	Pro	Thr 2535		Thr	Gln	Thr	Pro 2540		Thr	Thr	Pro
Ile 254		Thr	Thr	Thr	Thr 2550		Thr	Pro	Thr	Pro 2555		Pro	Thr	Gly	Thr 2560
Gln	Thr	Pro	Thr		Thr 5			Thr	Thr 2570		Thr	Thr	Val	Thr 2575	
Thr	Pro	Thr	Pro 2580		Gly	Thr	Gln	Thr 2585			Thr	Thr	Pro 2590	Ile	Thr
Thr	Thr	Thr 2595		Val	Thr	Pro	Thr 2600		Thr	Pro	Thr	Gly 2605		Gln	Thr
Pro	Thr 2610		Thr	Pro	Ile	Thr 2615		Thr	Thr	Thr	Val 2620		Pro	Thr	Pro
Thr 2625		Thr	Gly	Thr	Gln 2630		Pro	Thr	Thr	Thr 2635		Ile	Thr	Thr	Thr 2640
Thr	Thr	Val	Thr	Pro 2645			Thr			Gly )				Pro 2655	
Thr	Thr	Pro	Ile 2660		Thr	Thr	Thr	Thr 2665		Thr	Pro	Thr	Pro 2670	Thr	Pro
Thr	Gly	Thr 2675		Thr	Pro	Thr	Thr 2680		Pro	Ile		Thr 2685		Thr	Thr
Val	Thr 2690		Thr	Pro	Thr	Pro 2695		Gly	Thr	Gln	Thr 2700		Thr	Thr	Thr
Pro 2705		Thr	Thr	Thr	Thr 2710		Val	Thr	Pro	Thr 2715		Thr	Pro	Thr	Gly 2720
Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr

Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr

	3010	)				3015	5				3020	)			
Thr 3025		Pro	Ile	Thr	Thr 3030		Thr	Thr	Val	Thr 3035		Thr	Pro	Thr	Pro 3040
Thr	Gly	Thr	Gln	Thr 3045		Thr	Thr	Thr	Pro 3050		Thr	Thr	Thr	Thr 3055	
Val	Thr	Pro	Thr 3060		Thr	Pro	Thr	Gly 306		Gln	Thr	Pro	Thr 3070		Thr
Pro	Ile	Thr 3075		Thr	Thr	Thr	Val 3080		Pro	Thr	Pro	Thr 3085		Thr	Gly
Thr	Gln 3090		Pro	Thr	Thr	Thr 3095		Ile	Thr		Thr 3100		Thr	Val	Thr
Pro 3105		Pro	Thr	Pro	Thr 3110		Thr	Gln	Thr	Pro 3115		Thr	Thr	Pro	Ile 3120
Thr	Thr	Thr	Thr	Thr 3125		Thr	Pro	Thr	Pro 3130		Pro	Thr	Gly	Thr 3135	
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Pro	Thr	Pro 3155		Gly	Thr	Gln	Thr 3160		Thr	Thr	Thr	Pro 3165		Thr	Thr
Thr	Thr 3170		Val	Thr	Pro	Thr 3175		Thr	Pro	Thr	Gly 3180		Gln	Thr	Pro
Thr 3185		Thr	Pro	Ile	Thr 3190		Thr	Thr	Thr	Val 3195		Pro	Thr	Pro	Thr 3200
Pro	Thr	Gly	Thr	Gln 3205		Pro	Thr	Thr	Thr 3210		Ile	Thr	Thr	Thr 3215	
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Thr	Pro	Ile 3235		Thr	Thr	Thr	Thr 3240		Thr	Pro	Thr	Pro 3245		Pro	Thr
Gly	Thr 3250		Thr	Pro	Thr	Thr 3255		Pro	Ile	Thr	Thr 3260		Thr	Thr	Val
Thr 3265		Thr	Pro	Thr	Pro 3270	Thr	Gly	Thr	Gln	Thr 3275		Thr	Thr	Thr	Pro 3280
Ile	Thr	Thr	Thr	Thr 3285		Val	Thr	Pro	Thr 3290		Thr	Pro	Thr	Gly 3295	
Gla	Th∽	Dro	Thr	Th∽	Th.~	Dwo	т1.	mb ~	Πb ∞	mb ~	mb w	mb ∞	17.01	mb	Dwa

Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr

3585	3590	359	95	3600
Thr Pro Ile Thr	Thr Thr Thr 3605	nr Val Thr Pro 3610	Thr Pro Thr	Pro Thr 3615
Gly Thr Gln Thr 3620		nr Pro Ile Thi 3625	Thr Thr Thr	
Thr Pro Thr Pro 3635		ly Thr Gln Thi 640	Pro Thr Thr 3645	Thr Pro
Ile Thr Thr Thr 3650	Thr Thr Val	nr Pro Thr Pro	Thr Pro Thr 3660	Gly Thr
Gln Thr Pro Thr 3665	Thr Thr Pro 3670	le Thr Thr Thr 367		Thr Pro 3680
Thr Pro Thr Pro	Thr Gly Thr 3685	In Thr Pro Thr 3690	Thr Thr Pro	Ile Thr 3695
Thr Thr Thr Thr 3700		nr Pro Thr Pro 3705	Thr Gly Thr	
Pro Thr Thr Thr 3715		nr Thr Thr Thr 720	Val Thr Pro 3725	Thr Pro
Thr Pro Thr Gly 3730	Thr Gln Thr 3735	co Thr Thr Thr	Pro Ile Thr 3740	Thr Thr
Thr Thr Val Thr 3745	Pro Thr Pro 3750	nr Pro Thr Gly 375		Pro Thr 3760
Thr Thr Pro Ile	Thr Thr Thr 3765	or Thr Val Thr 3770	Pro Thr Pro	Thr Pro 3775
Thr Gly Thr Gln 3780		nr Thr Pro Ile 3785	Thr Thr Thr	
Val Thr Pro Thr 3795		nr Gly Thr Glr 300	Thr Pro Thr 3805	Thr Thr
Pro Ile Thr Thr 3810	Thr Thr Thr 3815	al Thr Pro Thr	Pro Thr Pro 3820	Thr Gly
Thr Gln Thr Pro 3825	Thr Thr Thr 3830	o Ile Thr Thr 383		Val Thr 3840
Pro Thr Pro Thr	Pro Thr Gly '3845	or Gln Thr Pro 3850	Thr Thr Thr	Pro Ile 3855
Thr Thr Thr Thr 3860		o Thr Pro Thr 3865	Pro Thr Gly	
Thr Pro Thr Thr	Thr Pro Ile	nr Thr Thr Thr	Thr Val Thr	Pro Thr

Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Wal Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr

				4165	5				4170	)				4175	5
Pro	Ile	Thr	Thr 4180		Thr	Thr	Val	Thr 4185		Thr	Pro	Thr	Pro 4190		Gly
Thr	Gln	Thr 4195		Pro	Pro	Thr	His 4200		Ser	Thr	Ala	Pro 4205		Ala	Glu
Leu	Thr 4210		Ser	Asn	Pro	Pro 4215		Glu	Ser	Ser	Thr 4220		Gln	Thr	Ser
Arg 4225		Thr	Ser	Ser	Pro 4230	Leu )	Thr	Glu	Ser	Thr 4235		Leu	Leu	Ser	Thr 4240
Leu	Pro	Pro	Ala	Ile 4245		Met	Thr	Ser	Thr 4250		Pro	Pro	Ser	Thr 4255	
Thr	Ala	Pro	Thr 4260		Thr	Ser	Gly	Gly 4265		Thr	Leu	Ser	Pro 4270		Pro
Ser	Thr	Thr 4275		Ser	Pro	Pro	Gly 4280		Pro	Thr	Arg	Gly 4285		Thr	Thr
Gly	Ser 4290		Ser	Ala	Pro	Thr 4295		Ser	Thr	Val	Gln 4300		Thr	Thr	Thr
Ser 4305		Trp	Thr	Pro	Thr 4310	Pro	Thr	Pro	Leu	Ser 4315		Pro	Ser	Ile	Ile 4320
Arg	Thr	Thr	Gly	Leu 4325		Pro	Tyr	Pro	Ser 4330		Val	Leu	Ile	Cys 4335	
Val	Leu	Asn	Asp 4340		Tyr	Tyr	Ala	Pro 4345	_	Glu	Glu	Val	Tyr 4350		Gly
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Glu	Pro	Pro	Dro	Mo+	Dro	Thr	Cuc	Sar	Λαη	C1 v	Lou	Cln	Dro	Wal	λνα

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His Thr His Gly Ala Cys Leu Val Glu Cys Pro Ser His Arg Glu Tyr Gln Ala Cys Gly Pro Ala Glu Glu Pro Thr Cys Lys Ser Ser Ser Ser Gln Gln Asn Asn Thr Val Leu Val Glu Gly Cys Phe Cys Pro Glu Gly Thr Met Asn Tyr Ala Pro Gly Phe Asp Val Cys Val Lys Thr Cys Gly Cys Val Gly Pro Asp Asn Val Pro Arg Glu Phe Gly Glu His Phe Glu Phe Asp Cys Lys Asn Cys Val Cys Leu Glu Gly Gly Ser Gly Ile Ile Cys Gln Pro Lys Arg Cys Ser Gln Lys Pro Val Thr His Cys Val Glu Asp Gly Thr Tyr Leu Ala Thr Glu Val Asn Pro Ala Asp Thr Cys Cys Asn Ile Thr Val Cys Lys Cys Asn Thr Ser Leu Cys Lys Glu Lys Pro Ser Val Cys Pro Leu Gly Phe Glu Val Lys Ser Lys Met Val Pro Gly Arg Cys Cys Pro Phe Tyr Trp Cys Glu Ser Lys Gly Val Cys Val His Gly Asn Ala Glu Tyr Gln Pro Gly Ser Pro Val Tyr Ser Ser Lys Cys Gln Asp Cys Val Cys Thr Asp Lys Val Asp Asn Asn Thr Leu Leu Asn Val Ile Ala Cys Thr His Val Pro Cys Asn Thr Ser Cys Ser Pro Gly Phe Glu Leu Met Glu Ala Pro Gly Glu Cys Cys Lys Lys Cys Glu Gln 

Thr His Cys Ile Ile Lys Arg Pro Asp Asn Gln His Val Ile Leu Lys 4995 5000 5005

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Cys Val Lys Ile His Asn Gln Leu Ile Ser Ser Val Ser Asn Ile Thr

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Ala His Leu Ala Ser Ile Leu Ser Leu Lys Glu Ala Ser Thr Ile Ala 65 70 75 80

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Arg Asn Trp Ser Asp Ala Glu Leu Glu Cys Gln Ser Tyr Gly Asn Gly 50 55 60

Ala His Leu Ala Ser Ile Leu Ser Leu Lys Glu Ala Ser Thr Ile Ala 65 70 75 80

Glu Tyr Ile Ser Gly Tyr Gln Arg Ser Gln Pro Ile Trp Ile Gly Leu 85 90 95

His Asp Pro Gln Lys Arg Gln Gln Trp Gln Trp Ile Asp Gly Ala Met 100 105 110

Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser Met Gly Gly Asn Lys His 115 120 125

Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn 130 135 140

Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg Pro 145 150 155

<210> 1081

<211> 832

<212> PRT

<213> Homo sapiens

<400> 1081

Met Ile Leu Gln Ala His Leu His Ser Leu Cys Leu Leu Met Leu Tyr
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Leu Ala Thr Gly Tyr Gly Gln Glu Gly Lys Phe Ser Gly Pro Leu Lys
20 25 30

Pro Met Thr Phe Ser Ile Tyr Glu Gly Gln Glu Pro Ser Gln Ile Ile

		35					40					45			
Phe	Gln 50	Phe	Lys	Ala	Asn	Pro 55	Pro	Ala	Val	Thr	Phe 60	Glu	Leu	Thr	Gly
Glu 65	Thr	Asp	Asn	Ile	Phe 70	Val	Ile	Glu	Arg	Glu 75	Gly	Leu	Leu	Tyr	Tyr 80
Asn	Arg	Ala	Leu	Asp 85	Arg	Glu	Thr	Arg	Ser 90	Thr	His	Asn	Leu	Gln 95	Val
Ala	Ala	Leu	Asp 100	Ala	Asn	Gly	Ile	Ile 105	Val	Glu	Gly	Pro	Val 110	Pro	Ile
Thr	Ile	Glu 115	Val	Lys	Asp	Ile	Asn 120	Asp	Asn	Arg	Pro	Thr 125	Phe	Leu	Gln
Ser	Lys 130	Tyr	Glu	Gly	Ser	Val 135	Arg	Gln	Asn	Ser	Arg 140	Pro	Gly	Lys	Pro
Phe 145	Leu	Tyr	Val	Asn	Ala 150	Thr	Asp	Leu	Asp	Asp 155	Pro	Ala	Thr	Pro	Asn 160
Gly	Gln	Leu	Tyr	Tyr 165	Gln	Ile	Val	Ile	Gln 170	Leu	Pro	Met	Ile	Asn 175	Asn
Val	Met	Tyr	Phe 180	Gln	Ile	Asn	Asn	Lys 185	Thr	Gly	Ala	Ile	Ser 190	Leu	Thr
Arg	Glu	Gly 195	Ser	Gln	Glu	Leu	Asn 200	Pro	Ala	Lys	Asn	Pro 205	Ser	Tyr	Asn
Leu	Val 210	Ile	Ser	Val	Lys	Asp 215	Met	Gly	Gly	Gln	Ser 220	Glu	Asn	Ser	Phe
Ser 225	Asp	Thr	Thr	Ser	Val 230	Asp	Ile	Ile	Val	Thr 235	Glu	Asn	Ile	Trp	Lys 240
Ala	Pro	Lys	Pro	Val 245	Glu	Met	Val	Glu	Asn 250	Ser	Thr	Asp	Pro	His 255	Pro
Ile	Lys	Ile	Thr 260	Gln	Val	Arg	Trp	Asn 265	Asp	Pro	Gly	Ala	Gln 270	Tyr	Ser
Leu	Val	Asp 275	Lys	Glu	Lys	Leu	Pro 280	Arg	Phe	Pro	Phe	Ser 285	Ile	Asp	Gln
Glu	Gly 290	Asp	Ile	Tyr	Val	Thr 295	Gln	Pro	Leu	Asp	Arg 300	Glu	Glu	Lys	Asp
Ala 305	Tyr	Val	Phe	Tyr	Ala 310	Val	Ala	Lys	Asp	Glu 315	Tyr	Gly	Lys	Pro	Leu 320
Sar	Tur	Dro	Lan	Glu	Tla	Hic	Val	Luc	Val	Luc	Δen	Tla	Δen	Δen	Δen

				325					330					335	
Pro	Pro	Thr	Cys 340	Pro	Ser	Pro	Val	Thr 345	Val	Phe	Glu	Val	Gln 350	Glu	Asn
Glu	Arg	Leu 355	Gly	Asn	Ser	Ile	Gly 360	Thr	Leu	Thr	Ala	His 365	Asp	Arg	Asp
Glu	Glu 370	Asn	Thr	Ala	Asn	Ser 375	Phe	Leu	Asn	Tyr	Arg 380	Ile	Val	Glu	Gln
Thr 385	Pro	Lys	Leu	Pro	Met 390	Asp	Gly	Leu	Phe	Leu 395	Ile	Gln	Thr	Tyr	Ala 400
Gly	Met	Leu	Gln	Leu 405	Ala	Lys	Gln	Ser	Leu 410	Lys	Lys	Gln	Asp	Thr 415	Pro
Gln	Tyr	Asn	Leu 420	Thr	Ile	Glu	Val	Ser 425	Asp	Lys	Asp	Phe	Lys 430	Thr	Leu
Cys	Phe	Val 435	Gln	Ile	Asn	Val	Ile 440	Asp	Ile	Asn	Asp	Gln 445	Ile	Pro	Ile
Phe	Glu 450	Lys	Ser	Asp	Tyr	Gly 455	Asn	Leu	Thr	Leu	Ala 460	Glu	Asp	Thr	Asn
Ile 465	Gly	Ser	Thr	Ile	Leu 470	Thr	Ile	Gln	Ala	Thr 475	Asp	Ala	Asp	Glu	Pro 480
Phe	Thr	Gly	Ser	Ser 485	Lys	Ile	Leu	Tyr	His 490	Ile	Ile	Lys	Gly	Asp 495	Ser
Glu	Gly	Arg	Leu 500	Gly	Val	Asp	Thr	Asp 505	Pro	His	Thr	Asn	Thr 510	Gly	Tyr
Val	Ile	Ile 515	Lys	Lys	Pro	Leu	Asp 520	Phe	Glu	Thr	Ala	Ala 525	Val	Ser	Asn
Ile	Val 530	Phe	Lys	Ala	Glu	Asn 535	Pro	Glu	Pro	Leu	Val 540	Phe	Gly	Val	Lys
Tyr 545	Asn	Ala	Ser	Ser	Phe 550	Ala	Lys	Phe	Thr	Leu 555	Ile	Val	Thr	Asp	Val 560
Asn	Glu	Ala	Pro	Gln 565	Phe	Ser	Gln	His	Val 570	Phe	Gln	Ala	Lys	Val 575	Ser
Glu	Asp	Val	Ala 580	Ile	Gly	Thr	Lys	Val 585	Gly	Asn	Val	Thr	Ala 590	Lys	Asp
Pro	Glu	Gly 595	Leu	Asp	Ile	Ser	Tyr 600	Ser	Leu	Arg	Gly	Asp 605	Thr	Arg	Gly
Trp	Leu	Lys	Ile	Asp	His	Val	Thr	Gly	Glu	Ile	Phe	Ser	Val	Ala	Pro

610 615 620 Leu Asp Arg Glu Ala Gly Ser Pro Tyr Arg Val Gln Val Val Ala Thr 625 630 635 Glu Val Gly Gly Ser Ser Leu Ser Ser Val Ser Glu Phe His Leu Ile 645 650 Leu Met Asp Val Asn Asp Asn Pro Pro Arg Leu Ala Lys Asp Tyr Thr 665 Gly Leu Phe Phe Cys His Pro Leu Ser Ala Pro Gly Ser Leu Ile Phe 680 Glu Ala Thr Asp Asp Asp Gln His Leu Phe Arg Gly Pro His Phe Thr 695 Phe Ser Leu Gly Ser Gly Ser Leu Gln Asn Asp Trp Glu Val Ser Lys 705 710 Ile Asn Gly Thr His Ala Arg Leu Ser Thr Arg His Thr Asp Phe Glu 725 Glu Arg Ala Tyr Val Val Leu Ile Arg Ile Asn Asp Gly Gly Arg Pro 740 745 Pro Leu Glu Gly Ile Val Ser Leu Pro Val Thr Phe Cys Ser Cys Val Glu Gly Ser Cys Phe Arg Pro Ala Gly His Gln Thr Gly Ile Pro Thr Val Gly Met Ala Val Gly Ile Leu Leu Thr Thr Leu Leu Val Ile Gly 790 Ile Ile Leu Ala Val Val Phe Ile Arg Ile Lys Lys Asp Lys Gly Lys 805 Asp Asn Val Glu Ser Ala Gln Ala Ser Glu Val Lys Pro Leu Arg Ser 820 825 <210> 1082 <211> 265

<212> DNA

<213> Homo sapiens

<400> 1082

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<210> 1083

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1083

Asn Met Asp Cys Pro Leu Asn Phe Asp Cys Pro Lys Asn Leu Phe Leu
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Ile Tyr Asn Met Leu Pro Asp Lys Val Thr Leu Asp Val Pro Ala Glu 20 25 30

Cys Leu Ile Phe Pro Ser Gln Ile Arg Phe Glu His 35